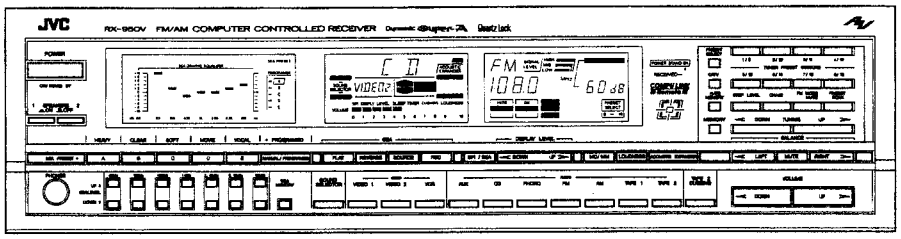
JVC

SERVICE MANUAL

COMPUTER CONTROLLED STEREO RECEIVER

MODEL No. RX-950VBK



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No. 2992
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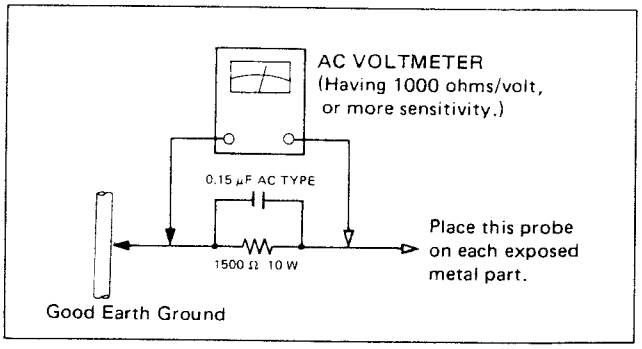
Safety Precautions

1. The design of this product contains special hardware and many circuits and components specially for safety purposes.
   For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
2. Alterations of the design or circuitry of the product should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
3. Many electrical and mechanical parts in the product have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of the service manual. Electrical components having such features are identified by shading on the schematics and by (⚠) on the parts list in the service manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list in the service manual may create shock, fire, or other hazards.
4. The leads in the products are routed and dressed with ties, clamps, tubings, barriers and the like to be separated from live parts, high temperature parts, moving parts and/or sharp edges for the prevention of electric shock and fire hazard.
   When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after re-assembling.
5. Leakage current check
   (Electrical shock hazard testing)
   After re-assembling the product, always perform an isolation check on the exposed metal parts of the product (antenna terminals, knobs, metal cabinet, screw heads, headphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.
   Do not use a line isolation transformer during this check.
   - Plug the AC line cord directly into the AC outlet. Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground. Any leakage current must not exceed 0.5 AC(r.m.s.).
   - Alternate check method
     Plug the AC line cord directly into the AC outlet. Use an AC voltmeter having 1,000 ohms per volt or more sensitivity in the following manner. Connect a 1,500 Ω 10 W resistor paralleled by a 0.15 μF AC-type capacitor between an exposed metal part and a known good earth ground.
     Measure the AC voltage across the resistor with the AC voltmeter.
     Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75 V AC(r.m.s.). This corresponds to 0.5 mA AC(r.m.s.).


AC VOLTMETER
(Having 1000 ohms/volt, or more sensitivity.)
0.15 μF AC TYPE
1500 Ω 10 W
Place this probe on each exposed metal part.
Good Earth Ground

CHECK THE VOLTAGE SELECTOR'S SETTING

(Except for the U.S.A., Canada, Australia, the U.K. and Continental Europe)

Before inserting the power plug, please check that the voltage selector's setting corresponds with the line voltage in your area. If it doesn't be sure to reset the voltage selector before operating this equipment.
The voltage selector may be located on the rear or bottom of the unit, or underneath the platter.

CAUTION : Before setting the voltage selector to the proper voltage, disconnect the power plug.

CONNECTION DIAGRAM
DIAGRAMME DES RACCORDEMENTS

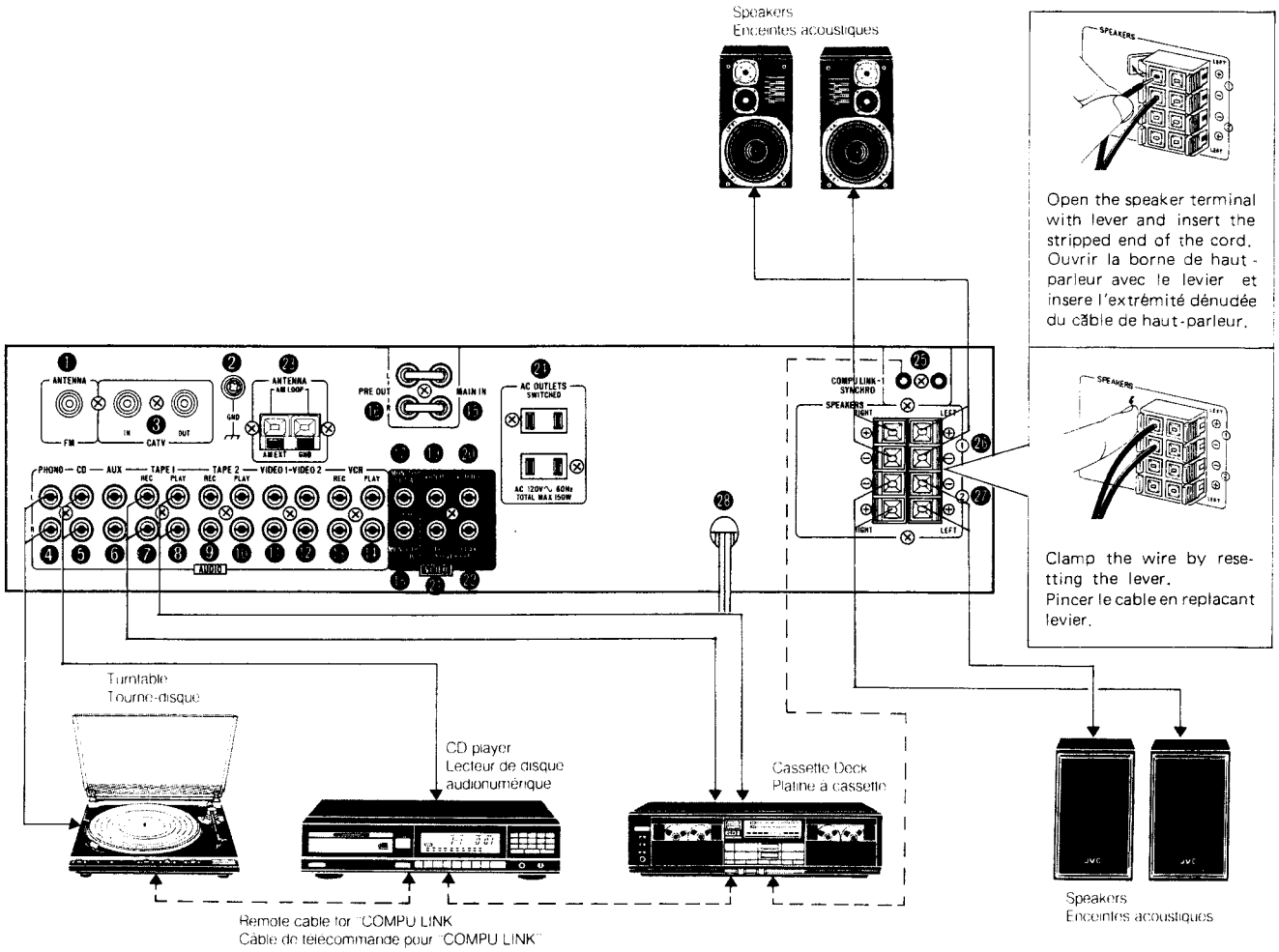

Speakers
Enceintes acoustiques
Open the speaker terminal with lever and insert the stripped end of the cord.
Ouvrir la borne de haut-parleur avec le levier et insere l'extrémité dénudée du câble de haut-parleur.
Clamp the wire by resetting the lever.
Pincer le cable en replacant levier.
Turntable
Tourne-disque
CD player
Lecteur de disque audionumérique
Cassette Deck
Platine a cassette
Speakers
Enceintes acoustiques
Remote cable for "COMPU LINK
Câble de télécommande pour "COMPU LINK"

Fig. 1

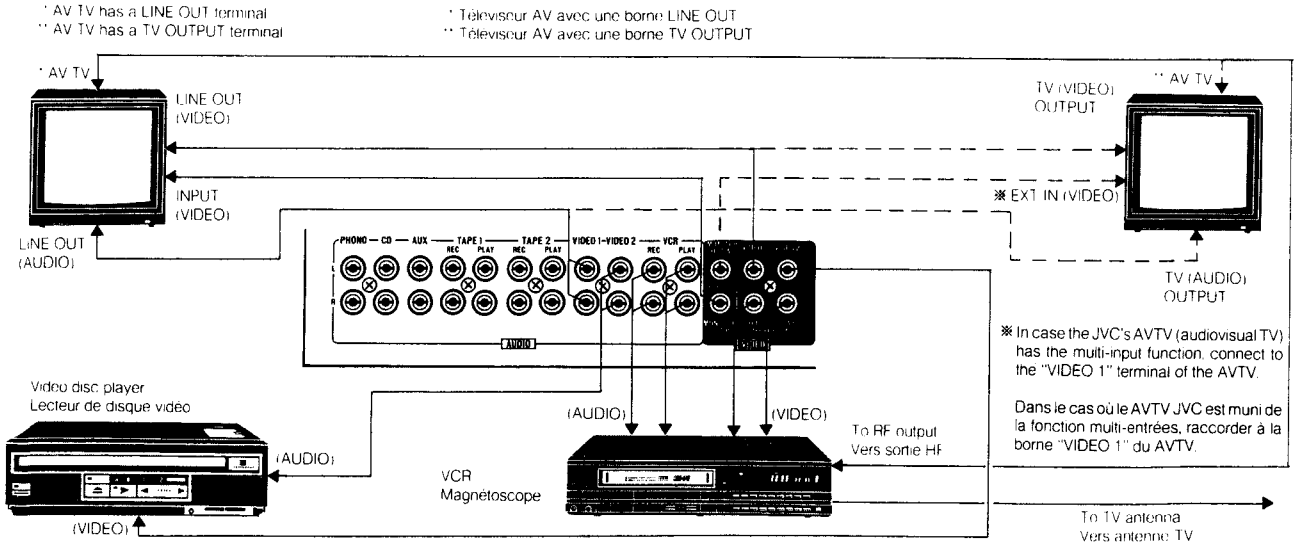

* AV TV has a LINE OUT terminal
** AV TV has a TV OUTPUT terminal
* Téléviseur AV avec une borne LINE OUT
** Téléviseur AV avec une borne TV OUTPUT
* AV TV
LINE OUT (VIDEO)
INPUT (VIDEO)
LINE OUT (AUDIO)
TV (VIDEO) OUTPUT
** AV TV
※ EXT IN (VIDEO)
TV (AUDIO) OUTPUT
※ In case the JVC's AVTV (audiovisual TV) has the multi-input function, connect to the "VIDEO 1" terminal of the AVTV.
Dans le cas où le AVTV JVC est muni de la fonction multi-entrées, raccorder à la borne "VIDEO 1" du AVTV.
Video disc player
Lecteur de disque vidéo
(AUDIO)
(VIDEO)
(AUDIO)
(VIDEO)
VCR
Magnétoscope
To RF output
Vers sortie HF
To TV antenna
Vers antenne TV

Fig. 2

❶ External ANTENNA terminals
See "ANTENNAS" on page 5.
❷ GND terminal
❸ CATV IN/OUT terminals
See "ANTENNAS" on page 5.

AUDIO ... For audio signal connection

❹ PHONO terminals
❺ CD terminals
❻ AUX terminals
❼ TAPE 1 REC terminals
❽ TAPE 1 PLAY terminals
❾ TAPE 2 REC terminals
❿ TAPE 2 PLAY terminals
⓫ VIDEO 1 terminals
⓬ VIDEO 2 terminals
⓭ VCR REC terminals
⓮ VCR PLAY terminals
⓯ MAIN IN terminals
⓰ PRE OUT terminals

Notes:
- **These VIDEO 1 and VIDEO 2 terminals can also be used to receive audio signals from audio equipment.**
- **The VCR terminals can also be used as TAPE terminals for an extra tape deck.**
- **These MAIN IN and PRE OUT terminals can be used to connect the surround processor, etc.**
- **When not using the surround processor, connect the PRE OUT and MAIN IN terminals with short pins.**

VIDEO ... For video signal connection

⓱ MONITOR OUT A terminal
Connect the VIDEO MONITOR OUT A terminal to an AV TV with a TV OUTPUT terminal or a television provided with a video input terminal, to reproduce video signals.
⓲ MONITOR OUT B terminal
Connect any of several JVC-specified TVs or an AV TV with a LINE OUT terminal. No signal is output from this terminal when the VIDEO 1 source is selected.
⓳ VIDEO 1 terminal
Connect any of several JVC-specified TVs, an AV TV with a LINE OUT terminal or an ordinary video unit.
⓴ VIDEO 2 terminal
㉑ VCR REC terminal
㉒ VCR PLAY terminal

GENERAL

㉓ AM loop antenna terminals
See "ANTENNAS" on page 5.
㉔ AC OUTLETS (SWITCHED)
㉕ COMPU LINK-1/SYNCHRO terminals
Connect to units provided with a COMPU LINK-1/SYNCHRO terminal to let the COMPU LINK control system function.
㉖ SPEAKERS 1 terminals
㉗ SPEAKERS 2 terminals
Power cord

Notes:
1. **When connecting the components, make the correct left and right channel connections. Reversed channels may degrade the stereo effect.**

❶ Bornes d'antenne externe (ANTENNA)
Voir "ANTENNES" à la page 5.
❷ Borne de mise à la terre (GND)
❸ Bornes CATV IN/OUT
Voir "ANTENNES" à la page 5.

AUDIO ... Pour le raccordement du signal audio

❹ Bornes de platine tourne-disque (PHONO)
❺ Bornes de lecteur de disque audionumérique (CD)
❻ Bornes d'appareil auxiliaire (AUX)
❼ Bornes d'enregistrement de bande 1 (TAPE 1 REC)
❽ Bornes de lecture de bande 1 (TAPE 1 PLAY)
❾ Bornes d'enregistrement de bande 2 (TAPE 2 REC)
❿ Bornes de lecture de bande 2 (TAPE 2 PLAY)
⓫ Bornes de vidéo 1 (VIDEO 1)
⓬ Bornes de vidéo 2 (VIDEO 2)
⓭ Bornes d'enregistrement de magnétoscope (VCR REC)
⓮ Bornes de lecture de magnétoscope (VCR PLAY)
⓯ Bornes MAIN IN
⓰ Bornes PRE OUT

Remarques:
- **Ces bornes VIDEO 1 et VIDEO 2 peuvent aussi être utilisées pour recevoir les signaux audio provenant d'un appareil audio.**
- **Les bornes VCR peuvent aussi être utilisées comme bornes TAPE pour une platine à cassette supplémentaire.**
- **Ces bornes MAIN IN et PRE OUT peuvent être utilisées pour raccorder le processeur d'ambiophonie ou autre.**
- **Quand on n'utilise pas le processeur d'ambiophonie, relier les bornes PRE OUT et MAIN IN à l'aide de fiches de court-circuitage.**

VIDEO ... Pour le raccordement du signal vidéo

⓱ Borne de sortie de moniteur (MONITOR OUT A)
Raccorder la borne VIDEO MONITOR OUT A à un téléviseur AV avec une borne TV OUTPUT ou à un téléviseur prévu avec une borne d'entrée vidéo, pour reproduire les signaux vidéo.
⓲ Borne de sortie de moniteur (MONITOR OUT B)
Raccorder un des téléviseurs JVC spécifiés ou un téléviseur AV avec une borne LINE OUT. Aucun signal n'est sortie de cette borne quand la source VIDEO 1 est sélectionée.
⓳ Borne VIDEO 1
Raccorder un des téléviseurs JVC spécifiés ou un téléviseur AV avec une borne LINE OUT ou un appareil vidéo ordinaire.
⓴ Borne de vidéo 2 (VIDEO 2)
㉑ Borne d'enregistrement de magnétoscope (VCR REC)
㉒ Borne de lecture de magnétoscope (VCR PLAY)

GENERAL

㉓ Bornes d'antenne à boucle AM
Voir "ANTENNES" à la page 5.
㉔ Prises CA commutées (SWITCHED AC OUTLETS)
㉕ Bornes de synchronisation (COMPU LINK-1/SYNCHRO)
Raccorder aux appareils prévus avec une borne COMPU LINK-1/SYNCHRO pour permettre le fonctionnement du système de commande COMPU LINK.
㉖ Bornes de haut-parleurs 1 (SPEAKERS 1)
㉗ Bornes de haut-parleurs 2 (SPEAKERS 2)
㉘ Cordon d'alimentation

Remarques:
1. **Lors du raccordements des appareils, effectuer correctement les connexions des canaux de gauche et de droite. Des canaux inversés provoqueront une dégradation de l'effet stéréo.**

2. **Connect speakers with correct polarity: (+) to (+) and (−) to (−). Reversed polarity may degrade the stereo effect.**
3. **Switch the power off when connecting any component.**
4. **Connect plugs or wires firmly. Poor contact may result in hum.**
5. **Use speakers with an impedance of 8 ohms or more (16 ohms when the 1 + 2 position is used). Speakers with an impedance down to 4 ohms (8 ohms when the 1 + 2 position is used) may be used, in which case the temperature rise of the cabinet may not satisfy BS 415 or IEC 65. Be sure to provide good ventilation, especially when speakers with an impedance of 4 ohms (8 ohms when the 1 + 2 position is used) are used.**
6. **The AC outlets provide no power when the power is turned off. Do not connect equipment requiring more than the outlet's specified value.**
7. **Keep the connection cords as far as possible from the TV.**

2. **Raccorder les haut-parleurs avec une polarité correcte: (+) sur (+) et (−) sur (−). Une polarité inversée risque de dégrader l'effet stéréo.**
3. **Couper l'alimentation lors du raccordement de tout appareil.**
4. **Raccorder fermement les prises et fils. Un mauvais contact risque de provoquer des bourdonnements.**
5. **Utiliser des haut-parleurs ayant une impédance de 8 ohms ou plus (16 ohms quand la position 1 + 2 est utilisée). Des haut-parleurs ayant une impédance inférieure à 4 ohms (8 ohms quand la position 1 + 2 est utilisée) peuvent être utilisés mais dans ce cas, la hausse de température du coffret risque de ne pas satisfaire aux normes BS 415 ou IEC 65. Bien assurer une bonne aération, en particulier quand des haut-parleurs d'une impédance de 4 ohms (8 ohms quand la position 1 + 2 est utilisée) sont utilisés.**
6. **Les prises CA ne fournissent pas d'alimentation si l'alimentation est coupée. Ne pas raccorder d'appareil demandant plus que la valeur spécifiée de la prise.**
7. **Garder les câbles de raccordement le plus loin possible du téléviseur.**

ANTENNAS ANTENNES

Use of CATV cable
Utilisation d'un câble CATV

When using 2 FM antennas
Utilisation de 2 antennes FM

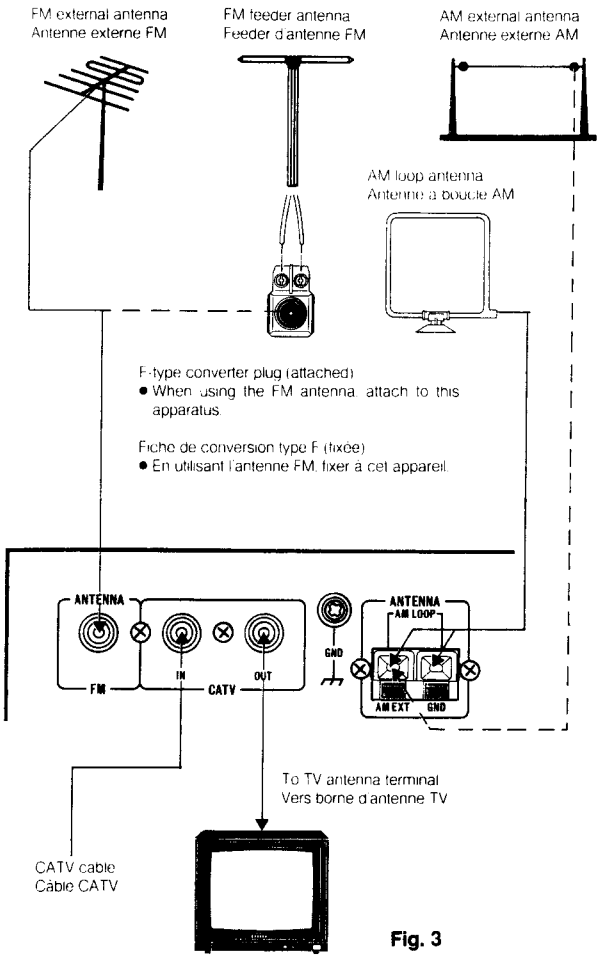


Fig. 3

FM ANTENNA and CATV IN terminals can also be used for 2 FM antennas.
Les bornes FM ANTENNA et CATV peuvent aussi être utilisées pour 2 antennes FM

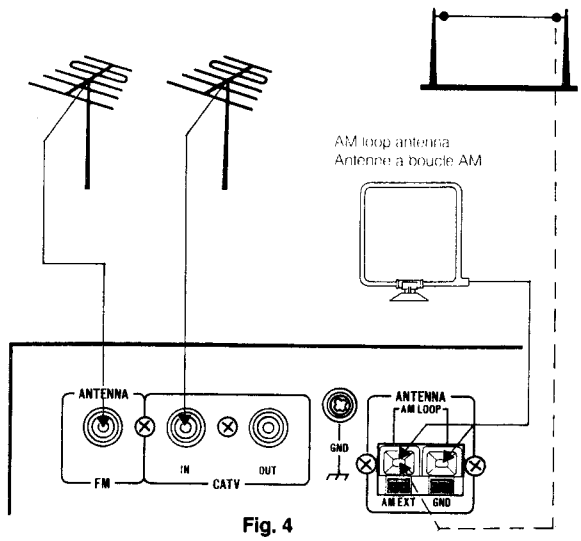


Fig. 4

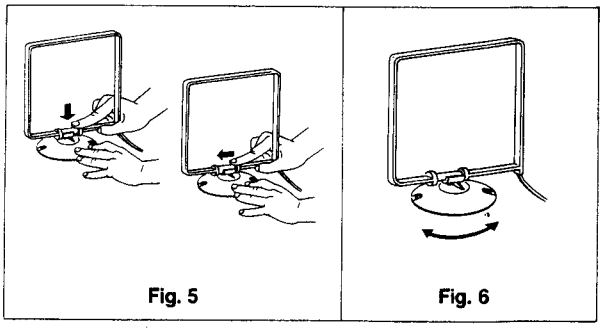


Fig. 5

Fig. 6

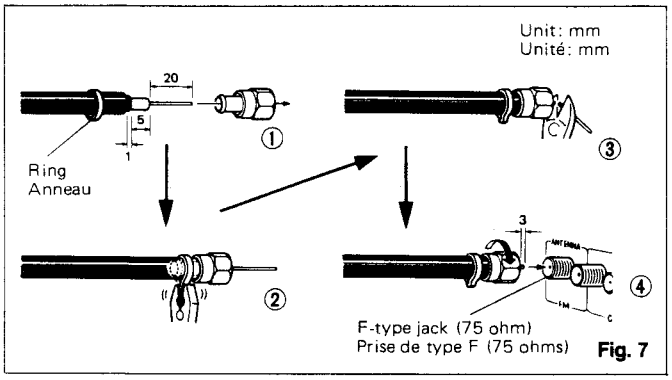


Fig. 7

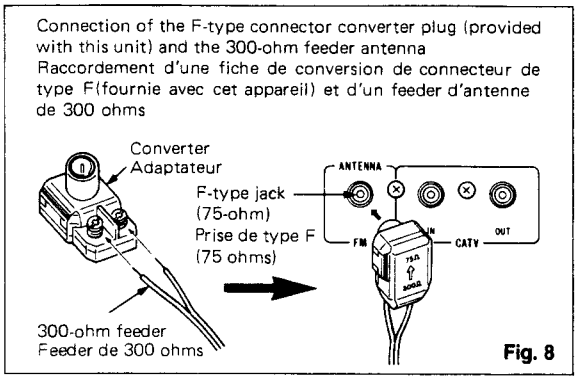


Fig. 8

AM antennas

- How to assemble the AM loop antenna (Fig. 5)
  Snap the loop antenna onto the stand, then slide it as shown until firmly held in place.
- When too much noise occurs (Fig. 6)
  Change the direction of the loop antenna or reinstall it in a position that gives best reception.
- AM external antenna (Fig. 3, 4)
  If AM reception is not good, connect an external AM antenna (single-wire antenna) to the AM ANTENNA terminal.

Notes:

- **If the provided loop antenna is not set up and its wires attached, or the antenna wires touch the rear panel, it will be impossible to receive AM broadcasts.**
- **If the AM loop antenna is too close to the speaker terminals, it may cause noise and should be moved away from the rear panel.**
- **When installing an AM external antenna, leave the AM loop antenna connected.**

FM antennas

For USA & Canada (Fig. 3, 4)

- Connection of the F-type connector and the F-type input jack of the 75-ohm coaxial cable (Fig. 7)
  The F-type input jack is not provided with this unit.
- Connect an external antenna to the FM terminal, the CATV line to the CATV IN terminal, and a television to the CATV OUT terminal. (Fig. 3)
- The feeder antenna must be attached to the converter plug first and then connect to the F-type connector on the rear pannel. (Fig. 8)
- The CATV IN terminal can also be used for an extra FM antenna. With this arrangement, you can switch between 2 FM antennas for the best reception. (Fig. 4)

Notes:

- **When a television is connected to the CATV OUT terminal of this unit, pulsating sound and a blinking picture may result because the signal entering the CATV IN terminal is too weak. If this happens, connect a CATV booster amplifier to the CATV IN terminal to strengthen the signal.**
- **If the outdoor antenna installation is impossible and if the TV signal strength is weak, FM signal may interfere with the TV picture and sound.**
- **Before connecting this unit to the CATV system, consult the cable company.**

Antennes AM

- Montage de l'antenne cadre (Fig. 5)
  Dresser l'antenne à boude sur le support, puis la glisser comme montré jusqu'à ce qu'elle tienne bien en place.
- Si trop de bruit est produit (Fig. 6)
  Changer la direction de l'antenne à boucle ou la réinstaller dans une position où la réception est meilleure.
- Antenne AM externe (Fig. 3, 4)
  si la réception AM n'est pas bonne, raccorder une antenne AM externe (antenne à fil simple) à la borne AM ANTENNA.

Remarques:

- **Si l'antenne à boucle fournie n'est pas en place et que ses fils sont fixés ou que les fils d'antenne touchent le panneau arrière, il sera impossible de recevoir les émissions AM.**
- **Si l'antenna AM à boucle est trop près des bornes de haut-parleurs, la déplacer pour éviter le bruit.**
- **Lors de l'installation d'une antenne AM externe, laisser l'antenne AM à boucle raccordée.**

Antennes FM

Pour les Etats-Unis et le Canada (Fig. 3, 4)

- Raccordement du connecteur de type F et de la prise entrée de type F du câble coaxial (Fig. 7)
  La prise d'entrée de type F n'est pas fournie avec cet appareil.
- Raccorder une antenne externe à la borne FM, la ligne CATV à la borne CATV IN, et un téléviseur à la borne CATV OUT. (Fig. 3)
- Le feeder d'antenne doit être d'abord fixé à la fiche de conversion et puis raccorder au connecteur le type F sur le panneau arrière. (Fig. 8)
- La borne CATV IN peut également être utilisée pour une antenne FM supplémentaire. Avec cette disposition, vous pouvez commuter entre 2 antennes FM pour une meilleure réception. (Fig. 4)

Remarques:

- **Quand un téléviseur est raccordé à la borne CATV OUT de cet appareil, un son d'impulsions et une image clignotante risquent d'être engendrés parce que le signal entrant la borne CATV IN est trop faible. Si ceci se produit, raccorder un amplificateur de suramplification CATV à la borne CATV IN pour renforcer le signal.**
- **Si l'installation d'une antenne externe est impossible et si la force du signal TV est faible, le signal FM risque d'interférer avec l'image TV et le son.**
- **Avant de raccorder cet appareil au système CATV consulter la société de câble.**

FRONT PANEL
PANNEAU AVANT

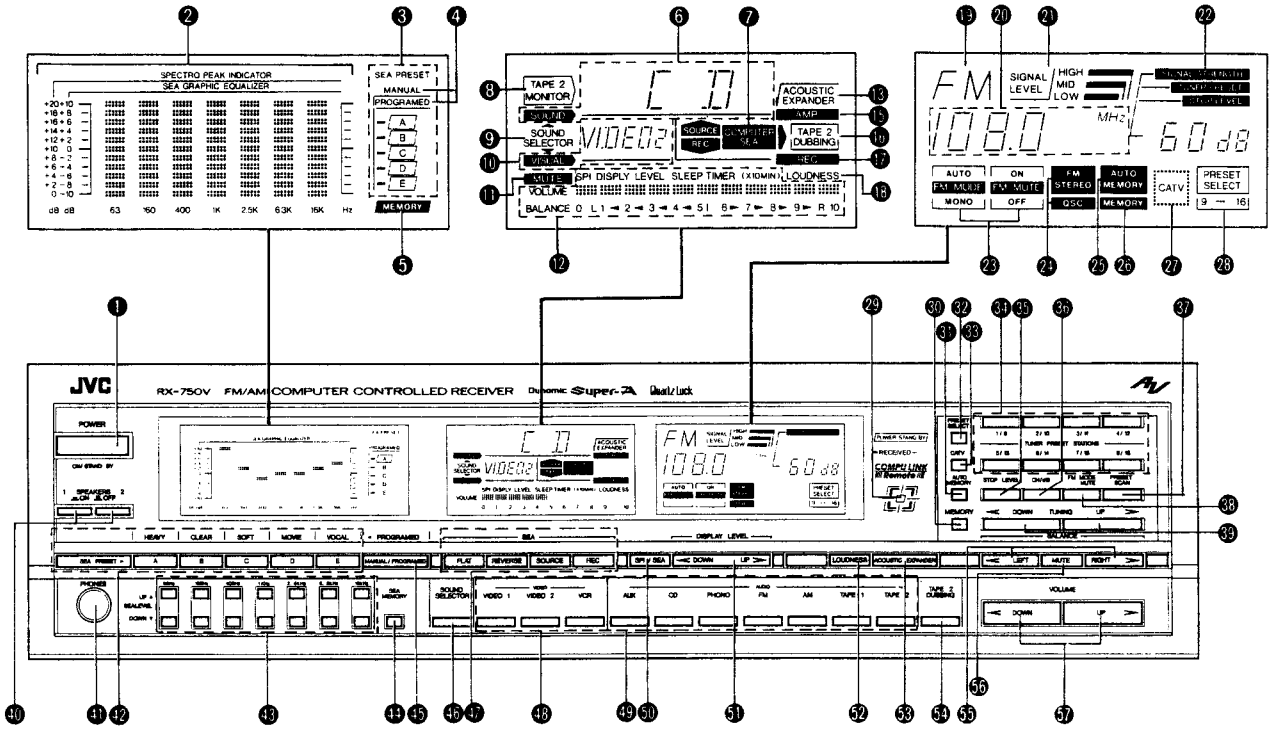


Fig. 9 RX-750VBK

❶ POWER

ON: Press to turn the power on. To turn the power off, press it again. Even when the power is turned off, the STAND BY indicator remains lit unless the receiver is unplugged from the wall outlet.

STAND BY: Even when all of the indicators are turned off, the memory circuit operates and the preset stations and the source selectors are not subject to cancellation or accidental alteration as long as the power cord is plugged into an AC outlet. This situation is called the STAND BY mode. The preset data and the source select data are maintained even in the case of a power failure or when the power cord is disconnected, if the period power is not applied does not exceed a couple of days.

Notes:

- **Even in the STAND BY mode, this receiver consumes a small amount of electricity (5 watts). To shut the power completely off, disconnect the power cord.**
- **STAND BY Indicator**
  Connecting the power plug to the AC wall outlet causes this indicator to light, indicating that the unit has been placed in the stand-by mode.

❷ SPECTRO PEAK INDICATOR/SEA GRAPHIC EQUALIZER indicator

This display doubles as a SPECTRO PEAK INDICATOR and an SEA GRAPHIC EQUALIZER indicator, and is switched between displays by pressing the SPI/SEA button.

❶ Alimentation (POWER)

ON: Appuyer sur la touche pour mettre l'appareil sous tension. Pour couper l'alimentation, appuyer de nouveau sur la touche. Même si l'alimentation est coupée, le témoin STAND BY reste allumé, sauf si le récepteur est débranché de la prise secteur.

STAND BY: Même quand tous les indicateurs sont coupés, le circuit de mémoire fonctionne et les stations préréglées et les sélecteurs de source ne sont pas annulés ou modifiés par accident tant que le cordon secteur est branché sur une prise de courant CA. Cet état est appelé le mode STAND BY. Les informations préréglées et les sélections de source sont maintenues même en cas de panne de courant ou quand le cordon secteur est débranché à condition que la période d'absence d'alimentation n'excède pas deux jours.

Remarque:

- **Même dans le mode STAND BY, ce récepteur consomme une faible quantité d'electricité (5 watts). Pour couper complètement l'alimentation, débrancher le cordon secteur.**
- **Témoin STAND BY**
  Le fait de brancher la fiche d'alimentation à une prise secteur entraine l'allumage de ce témoin, signifiant que l'appareil est passé en mode attente.

❷ Indicateur de crêtes de spectre/de niveau d'égaliseur graphique SEA (SPECTRO PEAK INDICATOR/SEA GRAPHIC EQUALIZER)

Cet affichage est à double usage: indicateur de crêtes de spectre et indicateur de niveau d'égaliseur graphique SEA et la commutation entre les affichages se fait en pressant la touche SPI/SEA.

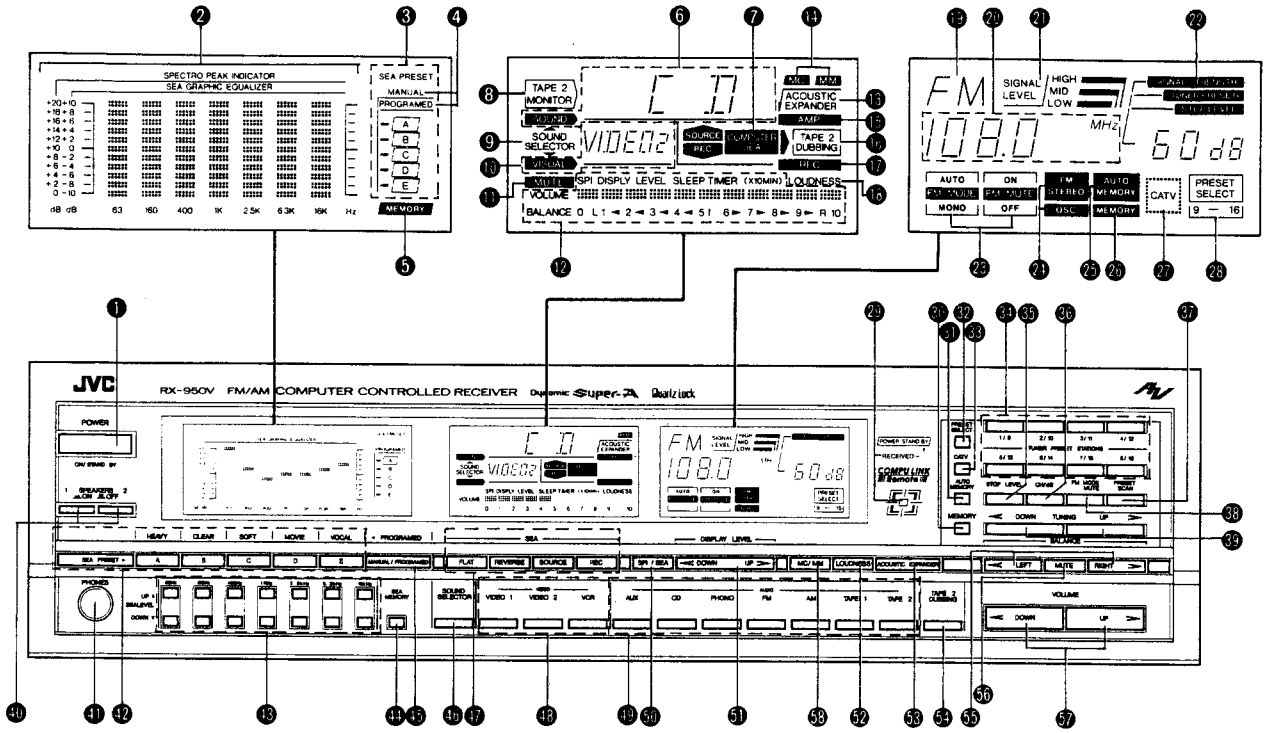


Fig. 10 RX-950VBK

SPECTRO PEAK INDICATOR: The output signal is divided into seven frequency bands, whose center frequencies are identical to those of the seven SEA bands. This SPECTRO PEAK INDICATOR shows the output signal level in each frequency band. For easier viewing, the indicator is designed so that its response time is faster when rising and slower when decaying.

SEA GRAPHIC EQUALIZER: The dot point rises and falls in response to the pressing of the corresponding SEA LEVEL buttons to show the SEA level in each frequency band.

Notes:

- **The SEA GRAPHIC EQUALIZER level indicator is shown for about five seconds immediately after the power is applied.**
- **When the SEA LEVEL, SEA PRESET, SEA FLAT, SEA REVERSE, MANUAL/PROGRAMED or SEA MEMORY button is pressed, the display shows the SPECTRO PEAK INDICATOR after five sec.**

❸ **SEA PRESET indicator**

Pressing the MANUAL/PROGRAMED button will cause indicator A, B, C, D, or E to light, according to which preset pattern was being used the last time the unit was in that particular mode (MANUAL or PROGRAMED). If no preset pattern was being used, no preset pattern indicator will light. These indicators also light when an SEA PRESET button has been pressed, to select a preset pattern or to store a newly-created pattern in memory.

SPECTRO PEAK INDICATOR: Les niveaux des signaux de sortie sont analysés pour sept gammes de fréquences dont les fréquences centrales sont identiques à celles des sept touches SEA. Cet indicateur SPECTRO PEAK INDICATOR indique le niveau de signal de sortie dans chaque gamme de fréquences. Pour une vérification aisée, l'indicateur est concu de manière à ce que sa durée de réponse soit plus rapide lors de la montée et plus lente lors de la descente.

SEA GRAPHIC EQUALIZER: Le poit monte et descend en réponse à la pression sur les touches SEA LEVEL correspondantes pour indiquer le niveau SEA dans chaque gamme de fréquences.

Remarques:

- **L'indicateur de niveau SEA GRAPHIC EQUALIZER est indiqué pendant environ cinq secondes immédiatement après que l'alimentation est fournie.**
- **Si la touche SEA LEVEL, SEA PRESET, SEA FLAT, SEA REVERSE, MANUAL/PROGRAMED ou SEA MEMORY est pressée, l'affichage montre le SPECTRO PEAK INDICATOR après cinq secondes.**

❸ **Indicateur de formes SEA préréglées (SEA PRESET)**

Une pression sur la touche MANUAL/PROGRAMED fera s'allumer l'indicateur A, B, C, D ou E, selon la forme préréglée utilisée la dernière fois que l'appareil était dans ce mode particulier (MANUAL ou PROGRAMED). Si aucune forme n'etait utilisée, aucun indicateur de forme ne s'allumera. Ces indicateurs s'allument aussi quand une touche SEA PRESET a été pressée pour sélectionner une forme préréglée ou pour mémoriser une forme nouvellement créée.

❹ **MANUAL/PROGRAMED indicator**
Pressing the MANUAL/PROGRAMED button causes "MANUAL" or "PROGRAMED" to light on the display, indicating which mode has been selected.

❺ **MEMORY indicator**
Pressing the MEMORY button lights "MEMORY" for about five seconds, thus indicating the unit is ready to store in memory the pattern you have created.

❻ **SOUND indicator**
This shows which audio signal has been selected with the source selectors, for listening to or recording.

❼ **COMPUTER SEA indicator**
When the SEA SOURCE button is pressed, the "SOURCE" lights to show that the S.E.A. is processing the signals fed to the speakers or headphones.
When the SEA REC button is pressed during TAPE 2 dubbing, the right arrow lights to show that the S.E.A. is processing the signals output from the TAPE 1 REC or VCR REC terminals.
When the SEA REC button is pressed, the "REC" lights to show that the S.E.A. is processing the signals output from the REC OUT terminals.

❽ **TAPE 2 MONITOR indicator**
This indicator lights when the TAPE 2 button is pressed.

❾ **SOUND SELECTOR indicator**
This indicator lights when the SOUND SELECTOR button has been pressed to ON.

❿ **VISUAL indicator**
This shows which video signal has been selected with the VIDEO source selectors, for watching or recording.

⓫ **MUTE indicator**
This indicator lights when the MUTE button has been pressed. Press it again returns the volume to its original level. Pressing the VOLUME UP/DOWN buttons also cancels the muting.

⓬ **VOLUME/BALANCE/SPI DISPLAY LEVEL/SLEEP TIMER (x 10 MIN) indicator**
This indicator is used as the VOLUME, BALANCE, SPI DISPLAY LEVEL, and SLEEP TIMER indicator. Normally, "VOLUME" lights and this indicator shows the level of sound going to the speakers or headphones. When the BALANCE buttons are pressed, "BALANCE", the center bar, "L" and "R" light and the balance between the right and left speakers is shown.
When the DISPLAY LEVEL buttons are pressed, this indicator shows the level of the "SPECTRO PEAK INDICATOR". When the SLEEP button on the remote control unit is pressed, "SLEEP TIMER (x 10 MIN)" lights. Each time the SLEEP button is pressed, the sleep timer's setting is increased in 10-minute increments to up to 60 minutes, with a square on this indicator lighting for each 10-minute increment added. However, the leftmost point does not light in this mode. This indicator is also useful to check the timer's turn-off time. The display continues in the BALANCE, SPI DISPLAY LEVEL, or SLEEP TIMER indication for about five seconds and then returns to the VOLUME indication mode.

⓭ **ACOUSTIC EXPANDER indicator**
This indicator lights when the ACOUSTIC EXPANDER button has been pressed to ON.

⓮ **MM/MC indicator (RX-950VBK only)**
"MM" or "MC" is shown to indicate the type of cartridge in use. This indicator can be switched by the MM/MC (cartridge select) button.

⓯ **AMP indicator**
It shows which source is output to the amplifier.

❹ **Indicateur de mode manuel/programmé (MANUAL/PROGRAMED)**
Une pression sur la touche MANUAL/PROGRAMED fait s'allumer "MANUAL" ou "PROGRAMED" à l'affichage, indiquant le mode sélectionné.

❺ **Indicateur de mémoire (MEMORY)**
Une pression sur la touche MEMORY allume "MEMORY" pendant environ cinq secondes, indiquant que l'appareil est prêt à mémoriser la forme que vous avec créée.

❻ **Indicateur de son (SOUND)**
Il indique le signal audio qui a été sélectionné avec les sélecteurs de source, pour l'écoute ou l'enregistrement.

❼ **Indicateur SEA informatisé (COMPUTER SEA)**
Quand la touche SEA SOURCE est pressée, "SOURCE" s'allume pour indiquer que le S.E.A. traite les signaux alimentés aux haut-parleurs ou au casque d'écoute. Quand la touche SEA REC est pressée pendant la copie de bande 2, la flèche de droite s'allume pour indiquer que le S.E.A. traite les signaux mis en sortie sur les bornes TAPE 1 REC ou VCR REC.
Quand la touche SEA REC est pressée, "REC" s'allume pour indiquer que le S.E.A. traite les signaux mis en sortie sur les bornes REC OUT.

❽ **Indicateur de contrôle de bande 2 (TAPE 2 MONITOR)**
Cet indicateur s'allume quand la touche TAPE 2 est pressée.

❾ **Indicateur de sélecteur de son (SOUND SELECTOR)**
Cet indicateur s'allume quand la touche SOUND SELECTOR a été pressée sur ON.

❿ **Indicateur visuel (VISUAL)**
Il indique le signal vidéo qui a été sélectionné avec les sélecteurs de source VIDEO, pour le visionnement ou l'enregistrement.

⓫ **Indicateur de silencieux (MUTE)**
Cet indicateur s'allume quand la touche MUTE a été pressée. Une nouvelle pression remet le volume à son niveau d'origine. Appuyer sur les touches VOLUME UP/DOWN annule aussi le silencieux.

⓬ **Indicateur de volume/balance/niveau d'affichage SPI/ minuterie de sommeil (x 10 mn) (VOLUME/BALANCE/SPI DISPLAY LEVEL/SLEEP TIMER (x 10 MIN))**
Cet indicateur est utilisé comme indicateur de volume, de balance, de niveau d'affichage SPI ou de minuterie de sommeil.
Normalement, "VOLUME" s'allume et cet indicateur montre le niveau du son allant aux haut-parleurs ou au casque d'écoute. Quand les touches BALANCE sont pressées, "BALANCE", la barre centrale, "L" et "R" s'allument et la balance entre les haut-parleurs de droite et de gauche est indiquée. Quand les touches DISPLAY LEVEL sont pressées, cet indicateur montre le niveau du "SPECTRO PEAK INDICATOR". Quand la touche SLEEP sur le boîtier de télécommande est pressée, "SLEEP TIMER (x 10 MIN)" s'allume. A chaque pression sur la touche SLEEP, le réglage de la minuterie de sommeil augmente par unités de 10 minutes jusqu'à 60 minutes, un carré sur cet indicateur s'allumant pour chaque unité de 10 minutes ajoutée. Cependant, le point le plus à gauche ne s'allume pas dans ce mode. Cet indicateur est aussi utile pour vérifier l'heure de mise à l'arrêt de la minuterie. L'affichage continue dans le mode d'indication BALANCE, SPI DISPLAY LEVEL ou SLEEP TIMER pendant environ cinq secondes, puis retourne au mode d'indication de volume (VOLUME).

⓭ **Indicateur d'expanseur acoustique (ACOUSTIC EXPANDER)**
Cet indicateur s'allume quand la touche ACOUSTIC EXPANDER a été pressée sur ON.

⓮ **Indicateur (RX-950VBK seulemant)**
"MM" ou "MC" est montré pour indiquer le type de celtule utilisé. Cet indicateur peut être commuté par le touche MM/MC (sélection de callute).

⓯ **Indicateur AMP**
Indique la source mise en sortie sur l'amplificateur.

⑯ **TAPE 2 DUBBING.indicator**
When the TAPE 2 DUBBING button is pressed, this indicator lights.

⑰ **REC OUT indicator**
It shows which audio source is being output from the TAPE or VCR REC terminals.

⑱ **LOUDNESS indicator**
When the LOUDNESS button has been pressed, this indicator lights.

⑲ **FM/AM indicator**
"FM" is displayed during FM reception and "AM" during AM reception.

⑳ **Frequency indicator**
The tuned-in frequency is displayed digitally.

㉑ **SIGNAL LEVEL indicator**
This is used in tuning to both FM and AM broadcasts. The signal strength is shown at three levels.

Note:

- **The signal strength in dB corresponding to each level in each band is shown below.**

	LOW	MID	HIGH
FM	10 — 35 dB	40 — 55 dB	More than 60 dB
AM	40 — 65 dB	70 — 85 dB	More than 90 dB

㉒ **SIGNAL STRENGTH/TUNER PRESET/STOP LEVEL indicator**
This indicator is used as the dB signal strength indicator, the tuner preset indicator showing the channel number of the preset station, and the stop level indicator for auto tuning.
This indicator can be switched between the SIGNAL STRENGTH and the TUNER PRESET display modes by pressing the CH/dB button. The STOP LEVEL display is shown by pressing the STOP LEVEL button.

Notes:

- **0 dB corresponds to 1 μV/75 ohms in FM and 1 μV/m in AM.**
- **The indication is shown in 5 dB steps.**
- **The optimum signal strength is more than 40 dB for FM mono, more than 60 dB for FM stereo, and 70 dB for AM. If the signal is too weak or too strong, this display may not indicate the correct value.**
- **Even if the dB display mode is set by pressing the CH/dB button, the CH indication is displayed and maintained when the station select buttons are pressed. When the TUNING button is pressed, the 0 dB indication is displayed.**
- **If a broadcast is received by preset tuning, and then the CH/dB button is pressed so that the dB indication is displayed before switching the power off, the CH indication will be displayed when the power is switched on again.**

㉓ **FM MODE/FM MUTE indicators**
These indicators show "AUTO"/"ON" or "MONO"/"OFF" according to the setting of the FM MODE/MUTE button.

㉔ **STEREO/QSC indicator**
STEREO: When an FM stereo broadcast is being received, this indicator lights. When the MODE indicator shows "MONO", this indicator will not light even if a stereo FM broadcast is being received. In that case, press the FM MODE/MUTE button so that "AUTO" is shown.

⑯ **Indicateur de copie de bande 2 (TAPE 2 DUBBING)**
Quand la touche TAPE 2 DUBBING est pressée, cet indicateur s'allume.

⑰ **Indicateur REC OUT**
Montre la source audio sortie des bornes TAPE ou VCR REC.

⑱ **Indicateur de contour (LOUDNESS)**
Quand la touche LOUDNESS a été pressée, cet indicateur s'allume.

⑲ **Indicateur FM/AM**
"FM" est indiqué pendant la réception FM et "AM" pendant la réception AM.

⑳ **Indicateur de fréquence**
La fréquence syntonisée est affichée numériquement.

㉑ **Indicateur de niveau de signal (SIGNAL LEVEL)**
Il est utilisé en syntonisation des émissions FM et AM. La force du signal est indiquée sur trois niveaux.

Remarque:

- **La force du signal en dB correspondant à chaque niveau de chaque gamme est indiquée ci-dessous.**

	Faible (LOW)	Moyenne (MID)	Haute (HIGH)
FM	10 — 35 dB	40 — 55 dB	Plus de 60 dB
AM	40 — 65 dB	70 — 85 dB	Plus de 90 dB

㉒ **Indicateur de force de signal/préréglage du syntoniseur/niveau d'arrêt (SIGNAL STRENGTH/TUNER PRESET/STOP LEVEL)**
Cet indicateur est utilisé comme indicateur de force du signal en dB, l'indicateur de préréglage du syntoniseur montrant le numéro du canal de la station préréglée et l'indicateur de niveau d'arrêt pour la syntonisation automatique.
Cet indicateur est commutable entre les modes SIGNAL STRENGTH et l'affichage TUNER PRESET en pressant la touche CH/dB. L'affichage STOP LEVEL est indiqué en pressant la touche STOP LEVEL.

Remarques:

- **0 dB correspond à 1 μV/75 ohms en FM et à 1 μV/m en AM.**
- **L'indication est montrée en étapes de 5 dB.**
- **La force de signal optimum est de plus de 40 dB pour FM mono, plus de 60 dB pour FM stéréo et de 70 dB pour AM. Si le signal est trop faible ou trop fort, cet affichage risque d'indiquer une valeur incorrecte.**
- **Même si le mode d'affichage en dB est réglé en pressant la touche CH/dB, l'indication CH est affichée et maintenue quand les touches de sélection de stations sont pressées. Quand la touche TUNING est pressée, l'indication 0 dB est affichée.**
- **Si une émission est reçue par la syntonisation préréglée et que la touche CH/dB est ensuite pressée de manière à ce que l'indication dB soit affichée avant de couper l'alimentation, l'indication CH sera affichée quand l'alimentation est à nouveau fournie.**

㉓ **Indicateurs de mode FM/silencieux FM (FM MODE/FM MUTE)**
Ces indicateurs montrent "AUTO"/"ON" ou "MONO"/"OFF" selon le réglage de la touche FM MODE/MUTE.

㉔ **Indicateur stéréo/contrôle de pente de silencieux (STEREO/QSC)**
STEREO: Quand une émission FM stéréo est reçue, cet indicateur s'allume. Quand l'indicateur MODE indique "MONO", cet indicateur ne s'allumera pas, même si une émission FM stéréo est reçue. Dans ce cas, presser la touche FM MODE/MUTE pour que "AUTO" soit indiqué.

QSC: When the signal strength of an FM stereo broadcast is low, this indicator lights and the QSC (Quieting Slope Control) circuit is switched on to reduce noise.

㉕ AUTO MEMORY indicator
Lights when the AUTO MEMORY button is set to on.

㉖ MEMORY indicator
Lights for about five seconds when the MEMORY button is pressed to on, or for one second when a frequency is stored in memory during auto memory.

㉗ CATV indicator (only for the U.S.A. and Canada)
When the CATV button is pressed to on, this indicator lights to show that this unit receives CATV programs.

㉘ PRESET SELECT indicator
Each time the PRESET SELECT button is pressed, this indicator shows "1 — 8" or "9 — 16" to show the group of preset stations to be selected.

㉙ REMOTE SENSOR & POWER STANDBY•RECEIVED indicator
While infrared signals are being received from the remote control unit, the RECEIVED indicator lights.
While the power is turned off by the POWER button, the POWER STANDBY indicator lights.

㉚ MEMORY
Press this button, and the MEMORY indicator will light to show that it is ready to receive a memory setting. Pressing the station select button while the MEMORY indicator is lit (for about five seconds) makes it possible to store the station in the specified memory. At this time, the channel number is shown in the display.

㉛ AUTO MEMORY
After setting the stop level using the STOP LEVEL button, press this button and then one of the TUNER PRESET STATIONS buttons to scan and preset broadcasts automatically. Starting from the frequency being displayed, the tuner tunes in to increasingly higher frequencies, until a broadcast is tuned in. Then its signal strength is shown in dB for one second and the channel number you have pressed earlier flickers for three seconds. If you don't wish to store this station in memory, press this button within four seconds; the dB indication is shown and the scan function starts again. Otherwise, the MEMORY indicator and channel number light together and the frequency is stored in that channel. Then the next channel number is shown and up-scanning restarts, as the tuner automatically searches for a frequency to store in the next channel. This process continues until the highest numbered channel preset station has a frequency stored in its memory.
If the upper limit of the frequency band is reached before this happens, the upper limit frequency is shown with dB displayed instead of the channel number.
Otherwise, when this process ends, the last frequency tuned to and its corresponding channel number are displayed. If, while this operation is taking place within a particular broadcast band, that same broadcast band button is pressed, the operation stops and the broadcast currently being tuned to is heard. If a different broadcast band button is pressed, the operation stops and the broadcast last tuned to when that band was listened to is heard.

QSC: Quand la force du signal d'une émission FM stéréo est faible, cet indicateur s'allume et le circuit QSC (contrôle de pente de silencieux) est commuté pour réduire le bruit.

㉕ Indicateur de mémoire automatique (AUTO MEMORY)
S'allume quand la touche AUTO MEMORY est réglée sur la position de marche.

㉖ Indicateur de mémoire (MEMORY)
S'allume pendant environ cinq secondes quand la touche MEMORY est pressée sur la position de marche ou pendant une seconde quand une fréquence est mémorisée en mode de mémoire automatique.

㉗ Indicateur CATV (seulement pour les Etats-Unis et le Canada)
Quand la touche CATV est pressée sur la position de marche, cet indicateur s'allume pour indiquer que cet appareil reçoit les programmes CATV.

㉘ Indicateur de sélection de station préréglée (PRESET SELECT)
A chaque pression sur la touche PRESET SELECT, cet indicateur montre "1 — 8" ou "9 — 16" pour indiquer le groupe de stations préréglées à sélectionner.

㉙ Détecteur de télécommande (Indicateur REMOTE SENSOR & POWER STANDBY•RECEIVED)
Quand les signaux infrarouges sont reçus du boîtier de télécommande, l'indicateur RECEIVED s'allume.
Quand l'alimentation est coupée par la touche POWER, l'indicateur POWER STANDBY s'allume.

㉚ Mémoire (MEMORY)
Presser cette touche et l'indicateur MEMORY va s'allumer pour monter qu'il est prêt à recevoir le réglage de mémoire. Une pression sur la touche de sélection de station alors que l'indicateur MEMORY est allumé (pendant environ cinq secondes) rend possible la mémorisation de station dans la mémoire spécifiée. A ce moment, le numéro de canal est montré à l'affichage.

㉛ Mémoire automatique (AUTO MEMORY)
Après avoir réglé le niveau d'arrêt avec la touche STOP LEVEL, presser cette touche et l'une des touches TUNER PRESET STATIONS pour balayer et prérégler automatiquement les émissions. En commençant par la fréquence alors affichée, le syntoniseur passe aux fréquences plus élevées, jusqu'à ce qu'une émission soit accordée. Puis, sa force de signal est indiquée en dB pendant une seconde et le numéro de canal que vous avez pressé auparavant clignote pendant trois secondes. Si vous ne voulez pas mémoriser cette station, presser cette touche en moins de quatre secondes; l'indication dB est montrée et la fonction de balayage reprendra au début. Dans le cas contraire, l'indicateur MEMORY et le numéro de canal s'allument ensemble et la fréquence est mémorisée dans ce canal. Puis le canal suivant est montré et le balayage en sens croissant reprend alors que le syntoniseur recherche automatiquement une fréquence à mémoriser dans le canal suivant. Ce processus continue jusqu'à ce que le canal au numéro le plus élevé de stations préréglées ait une fréquence mémorisée.
Si la fréquence atteint sa limite supérieure avant que ceci se produise, la fréquence de limite supérieure est indiquée avec les dB affichés à la place du numéro de canal. Autrement, quand ce processus est terminé, la dernière fréquence syntonisée et son numéro de canal correspondant sont affichées. Si, alors que ce fonctionnement s'effectue dans une gamme d'émissions particulière, cette même touche de gamme d'émissions est pressée le fonctionnement s'arrête et l'émission alors syntonisée est audible. Si une touche de gamme d'émissions différente est pressée, le fonctionnement s'arrête et l'émission syntonisée en dernier quand cette gamme était écoutée est audible.

Note:

- **To cancel the auto memory function, press one of the buttons in the tuner section other than the AUTO MEMORY or PRESET SELECT button.**

㉜ PRESET SELECT

Press to set to preset channels 1 — 8 or 9 — 16. 1 — 8 or 9 — 16 PRESET SELECT indicator lights. Up to 16 stations for each band (FM 16, AM 16) can be preset as required. Even when you pushed MEMORY button and then changed 1 — 8 and 9 — 16 by pressing this button, it is possible to accomplish preset memory by pressing the TUNER PRESET STATIONS button.

㉝ CATV (only for the U.S.A. and Canada)

To listen to an FM broadcast received by the FM antenna attached to the CATV IN terminal, or to an FM simulcast* program received via the connected CATV cable, press this button. The CATV indicator will light.

When the CATV indicator is not lit, FM broadcasts received by the antenna connected to the FM ANTENNA terminal can be heard. In additon, CATV channel frequencies can be stored in preset station memories. To hear the audio portion of a CATV channel so stored, simply press the appropriate PRESET STATION button. Pressing this button is then not necessary.

* Stereo TV sound transmitted over cable on an FM frequency.

㉞ TUNER PRESET STATIONS

These buttons are used to select one of the preset stations or to store a frequency in memory.

When one of these buttons is pressed, the preset number is shown by the TUNER PRESET indicator.

If one of these buttons is pressed when the MEMORY button has been pressed, the frequency which is being received will be stored in memory.

㉟ STOP LEVEL

This is used to set the strength of broadcast signals at which the scan tuning stops by 5 dB steps for 30 — 60 dB in FM and 60 — 90 dB in AM.

Note:

- **0 dB corresponds to 1 μV/75 ohms in FM and 1 μV/min AM.**

㊱ CH/dB

Press to select either the channel indication or dB indication.

If one of the station select buttons is not pressed beforehand, only the dB indication is shown and this button has no effect.

㊲ PRESET SCAN

This button permits scanning of the preset stations. When this button is pressed, preset station 1 is tuned in, and its number flashes for about five seconds. This continues for each of the other stations, until all 16 (in the AM or FM band) have been scanned. When the desired station is received, pressing the PRESET SCAN button stops the scanning and the RX-750VBK/RX-950VBK remains tuned to the station. If no stations were selected during this function, the frequency tuned to before this function was initiated is tuned to again.

㊳ FM MODE/MUTE

For normal FM reception and automatic elimination of interstation noise, press this button so that FM MODE's "AUTO" and FM MUTE's "ON" light in the display.

When receiving a weak or noisy FM stereo broadcast, press this button so that "MONO" of FM MODE and "OFF" of FM MUTE light; the broadcast will be heard in mono but the clarity of reception will be improved.

Remarque:

- **Pour annuler la fonction de mémoire automatique, appuyer sur une des touches de la section syntoniseur autre que la touche AUTO MEMORY ou PRESET SELECT.**

㉜ Sélection des stations préréglées (PRESET SELECT)

Presser pour régler les canaux 1 — 8 ou 9 — 16. L'indicateur PRESET SELECT 1 — 8 ou 9 — 16 s'allume. Jusqu'à 16 stations pour chaque gamme (FM 16, AM 16) peuvent être préréglées selon le besoin. Même quand vous avez pressé la touche MEMORY puis changé 1 — 8 et 9 — 16 en pressant cette touche il est possible d'effectuer la mémorisation préréglée en pressant la touche TUNER PRESET STATIONS.

㉝ CATV
(seulement pour les Etats-Unis et le Canada)

Appuyer sur cette touche pour écouter une émission FM reçue par l'antenne FM raccordée à la borne CATV IN, ou un programme reçu simultanément* en FM via le câble CATV raccordé. L'indicateur CATV s'allumera.

Si l'indicateur CATV n'est pas allumé, les émissions FM reçues par l'antenne raccordée à la borne FM ANTENNA peuvent être entendues. En plus, les fréquences des canaux CATV peuvent être stockées dans les mémoires des stations préréglées. Pour entendre la partie audio d'un canal CATV ainsi mémorisé, appuyer simplement sur la touche n'est alors pas nécessaire.

* Son TV stéréo transmis sur le câble sur une fréquence FM.

㉞ Stations préréglées du syntoniseur
(TUNER PRESET STATION)

Ces touches sont utilisées pour sélectionner une des stations préréglées ou pour mémoriser une fréquence.

Quand une des ces touches est pressée, le numéro préréglé est montré par l'indicateur TUNER PRESET. Si une de ces touches est pressée quand la touche MEMORY est pressée, la fréquence reçue sera mémorisée.

㉟ Niveau d'arrêt (STOP LEVEL)

Ceci est utilisé pour régler la force des signaux d'émission sur laquelle la syntonisation par balayage s'arrête par étapes de 5 dB pour 30 — 60 dB en FM et 60 — 90 dB en AM.

Remarque:

- **0 dB correspond à 1 μV/75 ohms en FM et à 1 μV/m en AM.**

㊱ CH/dB

Presser pour sélectionner soit l'indication de canal, soit l'indication dB.

Si une des touches de sélection des stations n'est pas pressée à l'avance, seule l'indication dB est affichée et cette touche n'a aucun effet.

㊲ Balayage des stations préréglées (PRESET SCAN)

Cette touche permet de balayer les stations préréglées. Quand cette touche est pressée, la station préréglée 1 est syntonisée et son numéro clignote pendant environ cinq secondes. Ceci continue pour chacune des autres stations jusqu'à ce que les 16 (dans la gamme AM ou FM) aient été balayées. Quand la station voulue est reçue, une pression sur la touche PRESET SCAN arrête le balayage et le RX-750VBK/RX-950VBK reste syntonisé sur la station. Si aucune station n'a été sélectionnée pendant ce fonctionnement, la fréquence syntonisée avant que cette fonction ne soit engagée est à nouveau syntonisée.

㊳ Mode/silencieux FM (FM MODE/MUTE)

Pour la réception FM normale et l'élimination automatique du bruit interstations, presser cette touche de manière à ce que "AUTO" de FM MODE et "ON" de FM MUTE s'allument à l'affichage.

Lors de la réception d'une émission FM stéréo faible ou contenant du bruit, presser cette touche de manière à ce que "MONO" de FM MODE et "OFF" de FM MUTE s'allument: l'émission sera audible en mono mais la clarté de la réception sera améliorée.

㊴ TUNING UP/DOWN

DOWN: Press to tune to lower frequencies.

UP: Press to tune to higher frequencies.

Manual tuning

Tapping these buttons changes the frequency in single steps of 10 kHz in AM, or 100 kHz in FM.

Auto tuning

Holding either button pressed for more than one second and then releasing it starts auto tuning; when a broadcast is received, tuning will stop. But if either button is kept held in, scanning continues even when a broadcast is received. In auto tuning, prssing either button again stops scanning.

Note:

- **When one of these buttons is being tapped, the frequency causes to change at the upper or lower limit of the frequency band. In auto tuning, the frequency scanning reverses direction when the upper or lower limit is reached.**

㊵ SPEAKERS

SPEAKERS-1

Press to switch the speakers connected to the SPEAKERS 1 terminals on or off.

SPEAKERS-2

Press to switch the speakers connected to the SPEAKERS 2 terminals on or off.

㊶ Headphone jack (PHONES)

Plug stereo headphones into this jack for private listening and recording monitoring. If you want to listen to sound from the headphones only, press the SPEAKERS buttons to OFF.

㊷ SEA PRESET

Press to store the displayed S.E.A. pattern in memory or to recall the preset S.E.A. pattern corresponding to the button pressed. While in the MANUAL mode, pressing the MEMORY button and then one of these five buttons will store the pattern you have created. Later, while in MANUAL mode, that pattern can be recalled by pressing the appropriate SEA PRESET button. Up to five original paterns can be stored for recall in this way.

A different set of S.E.A. patterns is available when in the PROGRAMED mode. These five patterns (HEAVY, CLEAR, SOFT, MOVIE, and VOCAL) have been permanently stored in memory before the unit was shipped, and may not be replaced. So, up to 10 patterns may be recalled. For more details, refer to page 30.

㊸ SEA LEVEL

The built-in graphic equalizer divides the audio spectrum into seven frequency bands with center frequencies from 63 Hz to 16 kHz at intervals of 4/3 octave.

When the S.E.A. level is set to '0' (center position), frequency response is flat. The response in each band can be varied by ±10 dB by pressing the UP or DOWN SEA LEVEL buttons.

The buttons for different frequency bands can be pressed at the same time, and holding them down causes the level to continue rising or falling.

63Hz: Raise to emphasize the very low bass response of organs, drums, and contrabass. It produces stable and solid sound with emphasis and eliminates the unclear sound response of low frequencies with de-emphasis.

160 Hz: Emphasize to obtain a more expanded low sound. De-emphasize to eliminate unclear sound caused by large or nearly empty listening rooms.

400 Hz: This frequency range is the base on which music is constructed. Emphasize to really put a punch in your music.

㊴ Syntonisation sens croissant/décroissant (TUNING UP/DOWN)

DOWN: La presser pour syntoniser des fréquences plus basses.

UP: La presser pour syntoniser des fréquences plus hautes.

Syntonisation manuelle

Un tapotement sur ces touches change la fréquence en étapes simples de 10 kHz en AM ou de 100 kHz en FM.

Syntonisation automatique

Maintenir une des touches pressée pendant plus d'une seconde puis la relâcher fait démarrer la syntonisation automatique; quand une émission est reçue, la syntonisation va s'arrêter. Mais si une des touches est maintenue pressée, le balayage continue même si une émission est reçue. En syntonisation automatique, une nouvelle pression sur l'une des touches arrête le balayage.

Remarque:

- **Quand une de ces touches est tapotée, la fréquence change à la limite supérieure ou inférieure de la gamme des fréquences. En syntonisation automatique, le balayage des fréquences change de direction quand la limite supérieure ou inférieure est atteinte.**

㊵ Haut-parleurs (SPEAKERS)

SPEAKERS-1

Presser pour commuter les haut-parleurs raccordés aux bornes SPEAKERS 1 en et hors circuit.

SPEAKERS-2

Presser pour commuter les haut-parleurs raccordés aux bornes SPEAKERS 2 en et hors circuit.

㊶ Prise de casque d'écoute (PHONES)

Y brancher un casque d'écoute stéréo pour l'écoute en privé et le contrôle de l'enregistrement. Si vous voulez écouter le son provenant du casque uniquement, presser les touches SPEAKERS sur OFF.

㊷ Touches de préréglage SEA (SEA PRESET)

Presser pour mémoriser la forme S.E.A. affichée ou pour rappeler la forme S.E.A. préréglée correspondant á la touche pressée. En mode MANUAL, une pression sur la touche MEMORY et sur une de ces cinq touches mémorisera la forme que vous avez créée. Plus tard en mode MANUAL, cette forme peut être rappelée en pressant la touche SEA PRESET appropriée. Jusqu'à cinq formes originales peuvent être mémorisées pour le rappel.

Un ensemble différent de formes S.E.A. est disponible en mode PROGRAMED. Ces cinq formes (HEAVY, CLEAR, SOFT, MOVIE et VOCAL) ont été définitivement mémorisées avant la sortie d'usine et ne peuvent pas être remplacées. Ainsi, jusqu'à 10 formes peuvent être rappelées. Pour plus de détails, voir page 30.

㊸ Niveau SEA (SEA LEVEL)

L'égaliseur graphique incorporé divise le spectre audio en sept gammes de fréquences dont les fréquences centrales vont de 63 Hz à 16 kHz à des intervalles de 4/3 octave.

Quand le niveau S.E.A. est réglé sur '0' (position centrale), la réponse en fréquence est uniforme.

La réponse dans chaque gamme peut être variée de ±10 dB en pressant les touches UP ou DOWN SEA LEVEL.

Les touches pour des gammes de fréquences différentes peuvent être pressées en même temps et les maintenir pressées provoque une augmentation ou diminution continue du niveau.

63 Hz: L'élever pour mettre en valeur la très basse réponse des graves d'orgues, tambours, contrebasses. Elle produit un son stable et solide avec emphase et élimine la réponse sonore peu claire des basses fréquences par une diminution.

160 Hz: L'élever pour obtenir un son grave plus étendu. La baisser pour éliminer le son peu clair provoqué par des salles d'écoute de grandes dimensions ou pratiquement vides.

400 Hz: Cette gamme de fréquences est celle sur laquelle la musique est construite. L'élever pour donner du punch à votre musique.

1 kHz: Most effective in emphasizing or deemphasizing the human voice. Emphasize to cause the vocalist to be brought to the foreground, or de-emphasize to cause it to recede into the background.
2.5 kHz: This frequency stimulates the human ear. If the music sounds hard or metallic, de-emphasize.
6.3 kHz: Boost to add clarity to winds and strings. This frequency band varies the tonal expression, influencing the subtleties of the music.
16 kHz: Boosting this frequency range properly adds to the delicacy of highs, with cymbals and triangles resounding in a more ear-pleasing manner, and provides a feeling of extension. This frequency band can also be used to compensate for cartridge response since most moving-magnet cartridges have their resonance peaks in the frequency range from 10 kHz to 20 kHz.

⓮ SEA MEMORY
Press this button and the MEMORY indicator will light for about five secons. While it is lit, press one of the SEA PRESET buttons to store in memory the SEA pattern currently being displayed.

⓯ MANUAL/PROGRAMED
Press to switch between the MANUAL and PROGRAMED SEA pattern modes.

⓰ SOUND SELECTOR
When this button is pressed (lighting the SOUND SELECTOR indicator), the SOUND signal can be selected from a different AUDIO source in combination with the VISUAL signal originating from the VIDEO source.
Example: When the VIDEO 1 button and the SOUND SELECTOR button are pressed: Now, press an AUDIO source selector button (CD, PHONO, AM, FM, TAPE 1, TAPE 2, AUX). The VISUAL single from the VIDEO 1 terminal is output to the VIDEO MONITOR OUT A terminal and the VIDEO VCR REC terminal. The SOUND signal from the audio source is heard from the speakers or headphones, and is output to the AUDIO VCR REC terminal. In this way, a VCR may record the SOUND and VISUAL signals from separate sources.

⓱ SEA
FLAT: Press this button for a flat response.
REVERSE: Press this button to reverse the pattern's characteristics.
SOURCE: Press this button to listen to the S.E.A.-compensated sound.
REC: Press this button to record S.E.A.-compensated signals.

Notes:
- **The settings of the SOURCE and REC buttons are shown in the signal flow chart.**
- **When the TAPE 1, TAPE 2, or TAPE 2 DUBBING button is pressed, either the SEA SOURCE or the SEA REC mode can be selected.**

⓲ VIDEO
VIDEO 1: Press this button to watch the source from the video unit connected to the VIDEO 1 terminals.
VIDEO 2: Press this button to watch the source from the video unit connected to the VIDEO 2 terminals.
VCR: Press this button to watch the source from the VCR connected to the VCR terminals.

1 kHz: La plus efficace pour mettre en valeur ou diminuer la voix humaine. L'élever pour amener la voix d'un soliste au premier plan ou la diminuer pour reculer la voix du soliste à l'arrière-plan.
2,5 kHz: Cette fréquence stimule l'oreille humaine.
Si la musique semble dure ou métallique, diminuer.
6,3 kHz: L'augmenter pour ajouter de la clarté aux instruments à vent et à cordes. Cette gamme de fréquences diversifie l'expression tonale, influençant les subtilités de la musique.
16 kHz: Une augmentation de cette gamme de fréquences ajoute à la délicatesse des hautes, les cymbales et triangles résonnant d'une manière plus plaisante à l'oreille et produit un effet d'extension. Cette gamme de fréquences peut aussi être utilisée pour compenser la réponse de cellules du fait que la majorité des cellules à aimant mobile ont leur crête de résonnance dans la gamme de fréquences allant de 10 kHz à 20 kHz.

⓮ Mémoire SEA (SEA MEMORY)
Presser cette touche et l'indicateur MEMORY va s'allumer pendant environ cinq secondes. Pendant qu'il est allumé, presser une des touches SEA PRESET pour mémoriser la forme SEA actuellement affichée.

⓯ MANUAL/PROGRAMED
Presser pour commuter entre les modes de formes SEA MANUAL et PROGRAMED.

⓰ Sélecteur de son (SOUND SELECTOR)
Quand cette touche est pressée (allument l'indicateur SOUND SELECTOR), le signal SOUND peut être sélectionné à partir d'une source AUDIO différente en combinaison avec le signal VISUAL venant à l'origine de la source VIDEO.
Exemple: Quand la touche VIDEO 1 et la touche SOUND SELECTOR sont pressée: Maintenant, presser une touche de sélection de source AUDIO (CD, PHONO, AM, FM, TAPE 1, TAPE 2, AUX). Le signal VISUAL provenant de la borne VIDEO 1 est mis en sortie sur la borne VIDEO MONITOR OUT A et la borne VIDEO VCR REC. Le signal SOUND provenant de la source audio est audible par les haut-parleurs ou le casque d'écoute et est mis en sortie sur la borne AUDIO VCR REC. De cette manière, un magnétoscope peut enregistrer le signal SOUND et VISUAL de sources séparées.

⓱ SEA
FLAT: Presser cette touche pour une réponse uniforme.
REVERSE: Presser cette touche pour inverser les caractéristiques de la forme.
SOURCE: Presser cette touche pour écouter un son compensé S.E.A.
REC: Presser cette touche pour enregistrer des signaux compensés S.E.A.

Remarques:
- **Le réglage des touches SOURCE et REC est indiqué dans le diagramme des signaux.**
- **Quand la touche TAPE 1, TAPE 2 ou TAPE 2 DUBBING est pressée, le mode SEA SOURCE ou SE REC peut être sélectioné.**

⓲ VIDEO
VIDEO 1: Presser cette touche pour regarder la source provenant de l'appareil vidéo raccordé aux bornes VIDEO 1.
VIDEO 2: Presser cette touche pour regarder la source provenant de l'appareil vidéo raccordé aux bornes VIDEO 2.
VCR: Presser cette touche pour regarder la source provenant du magnétoscope raccordé aux bornes VCR.

㊾ AUDIO

AUX: Press this button to listen to the source connected to the AUX terminals.

CD: Press this button to listen to a compact disc player connected to the CD terminals.

PHONO: Press to listen to a turntable connected to the PHONO terminals.

FM: Press this button to listen to an FM broadcast.

AM: Press this button to listen to an AM broadcast.

TAPE 1: Press to listen to a tape deck connected to the TAPE 1 terminals.

TAPE 2: Press to listen to a tape deck connected to the TAPE 2 terminals. Another press of this button will release this function so that the source selected by another source select button may be heard.

㊿ SPI/SEA

Press to switch the indication between the SPECTRO PEAK INDICATOR and SEA GRAPHIC EQUALIZER level indicator.

(51) DISPLAY LEVEL (DOWN/UP)

Adjusts the relative display position on the SPECTRO PEAK INDICATOR so that especially weak or strong level signals can be displayed in an easy-to-see position. This button has no effect on the output sound level.

(52) LOUDNESS

Press this button to compensate for the ear's lower sensitivity at low listening levels.

(53) ACOUSTIC EXPANDER

When this button is pressed, the ACOUSTIC EXPANDER indicator lights and the sound image is expanded; a monaural signal will be given a stereo effect and a stereo signal sounds better.

Notes:

- **When a TV or VCR is monaural, use the L and R distributor (mono — L and R) for connecting the left and right terminals.**
- **The ACOUSTIC EXPANDER sound effect cannot be recorded.**

(54) TAPE 2 DUBBING

Press to dub from TAPE 2 to TAPE 1 and VCR. Another press of this button will release this function.

(55) BALANCE (LEFT/RIGHT)

Use to adjust the balance between the left and right speakers. Press the LEFT button once to adjust the balance to the left by one step and the RIGHT button to adjust to the right. Holding them pressed changes the balance continuously. The BALANCE indicator is shown on the display.

(56) MUTE

Press this button, and the MUTE indicator will light and the sound will be instantaneously muted. To return the volume to its original level, press this button again, or press the BALANCE or VOLUME buttons.

(57) VOLUME (DOWN/UP)

Adjust the volume of speakers or headphones. Press the UP button once to increase the volume by one step, and the DOWN button once to decrease it by one step; this level is shown by the VOLUME indicator. Holding down one of these buttons will cause the volume to progressively rise or fall.

(58) MC/MM (RX-950VBK)

MM: Press this button so that "MM" is shown on the display when using an MM cartridge or an MC cartridge with an output of more than 0.5 mV.

MC: Press this button so that "MC" is shown on the display when using an MC cartridge with an output of less than 0.5 mV.

㊾ AUDIO

AUX: Appuyer sur cette touche pour écouter la source raccordée aux bornes AUX.

CD: Appuyer sur cette touche pour écouter le lecteur de disque audionumérique raccordé aux bornes CD.

PHONO: Appuyer pour écouter un tourne-disque raccordé aux bornes PHONO.

FM: Appuyer sur cette touche pour écouter une émission FM.

AM: Appuyer sur cette touche pour écouter une émission AM.

TAPE 1: Appuyer pour écouter un magnétophone raccordé aux bornes TAPE 1.

TAPE 2: Appuyer pour écouter un magnétophone raccordé aux bornes TAPE 2. Une autre pression sur cette touche libérera cette fonction pour que la source sélectionnée par une autre touche de sélection de source puisse être entendue.

㊿ SPI/SEA

Presser pour commuter l'indication entre SPECTRO PEAK INDICATOR et l'indicateur de niveau SEA GRAPHIC EQUALIZER.

(51) Niveau d'affichage DISPLAY LEVEL (DOWN/UP)

Règle la position relative de l'affichage sur le SPECTRO PEAK INDICATOR pour que les signaux de niveau particulièrement fort ou faible puissent être affichés dans une position facile à lire. Cette touche n'a pas d'effet sur le niveau du son de sortie.

(52) Contour (LOUDNESS)

Presser cette touche pour compenser la plus basse sensibilité de l'oreille à de bas niveaux d'écoute.

(53) Expanseur acoustique (ACOUSTIC EXPANDER)

Quand cette touche est pressée, l'indicateur ACOUSTIC EXPANDER s'allume et l'image sonore est étendue; un signal monaural bénificiera d'un effet stéréo et un signal stéréo sonnera mieux.

Remarques:

- **Quand le téléviseur ou magnétoscope est monaural, utiliser un distrubuteur gauche et droit (mono — gauche et droit) pour le raccordement des bornes de gauche et de droite.**
- **L'effet sonore ACOUSTIC EXPANDER ne peut pas être enregistré.**

(54) Copie de bande (TAPE 2 DUBBING)

Presser pour copier de TAPE 2 à TAPE 1 et magnétoscope. Une autre pression sur cette touche relâchera cette fonction.

(55) Balance (gauche/droit) (BALANCE (LEFT/RIGHT))

L'utiliser pour régler la balance entre les haut-parleurs de gauche et de droite. Presser la touche LEFT une fois pour ajuster la balance sur la gauche d'une étape et la touche RIGHT pour la droite. Les maintenir pressées change la balance continuellement. L'indicateur BALANCE est montré à l'affichage.

(56) Silencieux (MUTE)

Presser cette touche et l'indicateur MUTE va s'allumer: le son sera instantanément rendu silencieux. Pour retrouver le volume à son niveau originel, presser à nouveau cette touche ou presser la touche BALANCE ou VOLUME.

(57) Volume (décroissant/croissant) (VOLUME (DOWN/UP))

Régle le volume des haut-parleurs ou du casque d'écoute. Presser la touche UP une fois pour augmenter le volume d'une étape et la touche DOWN une fois pour diminuer d'une étape; ce niveau est montré par l'indicateur VOLUME. Maintenir pressée une de ces touches provoquera l'augmentation ou la diminution progressive du volume.

(58) MC/MM (RX-950VBK seulement)

MM: Presser cette touche de manière à ce que "MM" soit indiqué à l'affichage lors de l'utilisation d'une cellule MM ou d'une cellule MC ayant une sortie de plus de 0,5 mV.

MC: Presser cette touche de manière à ce que "MC" soit indiqué à l'affichage lors de l'utilisation d'une cellule MC ayant une sortie inférieure à 0,5 mV.

REMOTE CONTROL UNIT(RM-SR750)

BOITIER DE TELE-COMMANDE(RM-SR750)

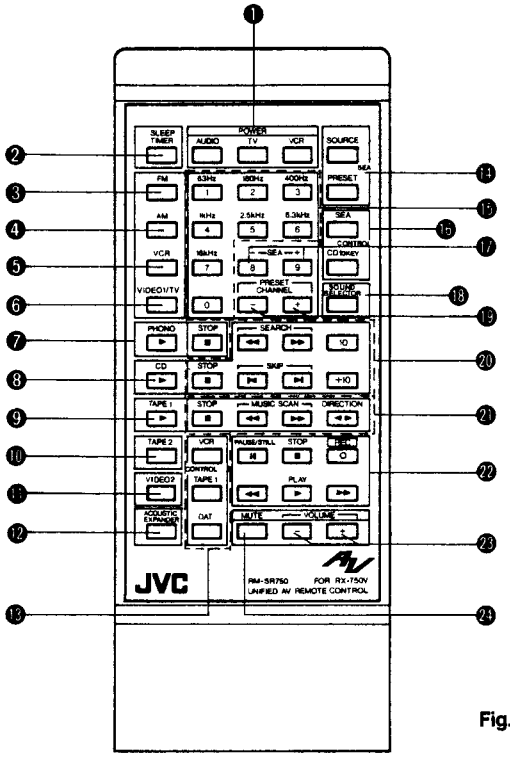


Fig. 11

❶ POWER
VCR: Press this button to switch the VCR's power on or off.
TV: Press this button to switch the TV's power on or off.

Note:
- **As long as one of the JVC-specified VCRs or TVs is used, it can be remote-controlled.**

AUDIO: Press this button to switch the RX-750VBK power on or off.

❷ SLEEP TIMER
Each time this button is pressed, the sleep timer's setting is increased in 10-minute steps up to 60 minutes, and its setting is shown on the display.

❸ FM
Press this button to listen to an FM broadcast.

❹ AM
Press this button to listen to an AM broadcast.

❺ VCR
Press this button to watch a playback picture on the video unit connected to the VCR terminals.

❻ VIDEO 1/TV
Press this button to watch the TV or the video equipment connected to the VIDEO 1 terminals.

❶ Alimentation (POWER)
VCR: Presser cette touche pour commuter l'alimentation du magnétoscope en et hors circuit.
TV: Presser cette touche pour commuter l'alimentation du téléviseur en et hors circuit.

Remarque:
- **Tant qu'un magnétoscope ou téléviseur spécifié par JVC est utilisé, la télécommande est possible.**

AUDIO: Presser cette touche pour commuter l'alimentation du RX-750VBK en et hors circuit.

❷ Minuterie de sommeil (SLEEP TIMER)
A chaque pression sur cette touche, le réglage de la minuterie de sommeil est augmenté par étapes de 10 minutes jusqu'à 60 minutes et son réglage est indiqué à l'affichage.

❸ FM
Presser cette touche pour écouter une émission FM.

❹ AM
Presser cette touche pour écouter une émission AM.

❺ VCR
Appuyer sur cette touche pour effectuer une lecture avec l'appareil vidéo connecté aux bornes VCR.

❻ VIDEO 1/TV
Presser cette touche pour regarder le téléviseur ou l'appareil vidéo reccordé aux bornes VIDEO 1.

⑦ **PHONO [▶]**
Press to operate the turntable connected to the PHONO terminals.
STOP [■]
Press this button to stop play.

⑧ **CD [▶]**
To operate the CD player connected to the CD terminals, press the CD button (⑧), the CD 10 KEY button (⑯), and the CD TRACK NO buttons (⑮) in this order.
To select CD tracks numbered 1 — 9, first press "0", then the desired number. For those numbered 10 and above, first press "1".

Notes:
- **[10], [+10]: These buttons are exclusively used for the CD player.**
- **[0], [10], [+10]: The use of these buttons varies by the model of the CD player. For details, refer to the instruction book provided with the CD player.**

⑨ **TAPE 1 [▶]**
Press to operate the tape deck connected to the TAPE 1 terminals.

⑩ **TAPE 2**
Press to operate the tape deck connected to the TAPE 2 terminals.

Note:
- **Press this button to monitor the recorded sound (listening to the sound just recorded) when using a three-head tape deck.**

⑪ **VIDEO 2**
Press this button to watch the video equipment connected to the VIDEO 2 terminals.

⑫ **ACOUSTIC EXPANDER**
Press this button to switch the acoustic expander function on or off.

⑬ **CONTROL**
VCR: Press this button to operate the VCR connected to the VCR terminals.
TAPE: Press this button to operate the tape deck connected to the TAPE 1 terminals.
DAT: Press this button to operate the digital audio tape deck connected to the TAPE 2 terminals.

Note:
- **Press the TAPE 2 button to listen to a DAT.**

⑭ **SEA**
SEA SOURCE: Press this button to listen to the source with S.E.A. compensation.
SEA PRESET: Press this button to select an S.E.A. preset pattern. Each time this button is pressed, the preset pattern the equalizer is set to successively changes in this order: MANUAL A — B — C — D — E — PROGRAMED A — B — C — D — E, then returns to MANUAL A again.

⑮ **S.E.A. frequency band select buttons/TV channel select buttons for VCR/Buttons for direct access to FM/AM presets or TV channels/Buttons for CD track No operation.**
Once ths SEA CONTROL button has been pressed, a particular frquency band can be chosen with these buttons for adjustment with the SEA LEVEL buttons.
When the FM or AM button has been pressed, these buttons can be used to select the preset station by pressing the preset station number as follows.

⑦ **PHONO [▶]**
Appuyer pour écouter un tournedisque raccordé aux bornes PHONO.
Arrêt (STOP) [■]
Appuyer sur cette touche pour arrêter la lecture.

⑧ **CD [▶]**
Pour utiliser le lecteur de disques compacts connecté aux bornes CD, appuyer respectivement sur la touche CD (⑧), la touche CD 10 KEY (⑯) et les touches CD TRACK NO (⑮).
Pour sélectionner des pistes CD numérotées entre 1 et 9, appuyer d'abord sur "0", puis sur le numéro voulu. Pour celles numérotées 10 et plus, appuyer d'abord sur "1".

Remarques:
- **[10], [+10]: Ces touches sont exclusivement utilisées pour le lectuer de disques compacts.**
- **[0], [10], [+10]: L'utilisation de ces touches varie selon le modèle de lecteur de disques compacts. Pour plus de détails, se reporter au manuel d'utilisation fourni avec le lecteur en question.**

⑨ **TAPE 1 [▶]**
Appuyer pour écouter une platine à cassette raccordée aux bornes TAPE 1.

⑩ **TAPE 2**
Appuyer pour écouter une platine à cassette raccordée aux bornes TAPE 2.

Remarque:
- **Presser cette touche pour contrôler le son enregistré (écoute du son qui vient d'être enregistré) lors de l'utilisation d'une platine à cassette à trois têtes.**

⑪ **VIDEO 2**
Presser cette touche pour regarder l'appareil vidéo raccordé aux bornes VIDEO 2.

⑫ **Expanseur acoustique (ACOUSTIC EXPANDER)**
Presser cette touche pour mettre en et hors circuit la fonction d'expanseur acoustique.

⑬ **Commande (CONTROL)**
VCR: Presser cette touche pour faire fonctionner le magnétoscope raccordé aux bornes VCR.
TAPE: Presser cette touche pour faire fonctionner la platine à cassette raccordée aux bornes TAPE 1.
DAT: Appuyer sur cette touche pour utiliser le magnétocassette audio-numérique connecté aux bornes TAPE 2.

Remarque:
- **Appuyer sur la touche TAPE 2 pour écouter une cassette audio-numérique.**

⑭ **SEA**
SEA SOURCE: Presser cette touche pour écouter la source avec la compensation S.E.A.
SEA PRESET: Presser cette touche pour sélectionner une forme S.E.A. préréglée. A chaque pression sur cette touche, la forme préréglée sur laquelle l'égaliseur est réglé change successivement dans l'ordre: MANUAL A — B — C — D — E — PROGRAMED A — B — C — D — E, puis revient de nouveau à MANUAL A.

⑮ **Touches de sélection de gamme de fréquence S.E.A./Touches de sélection de canal de télévision pour magnétoscope/Touches pour l'accès direct aux préréglages FM/AM ou des canaux TV/Touches de sélection de numéro de plage de disque compact.**
Une fois que la touche SEA CONTROL a été pressée, une gamme de fréquence particulière peut être choisie avec ces touches pour le réglage avec les touches SEA LEVEL.
Quand la touche FM ou AM a été pressée, ces touches peuvent être utilisées pour sélectionner la station préréglée en pressant le numéro de station préréglée comme suit.

1) For channels one to nine: push the "0" button, then the desired channel number. e.g., "0" — "1" (channel 1), "0" — "2" (channel 2).
2) For channels ten an above: push the buttons in the order the digits of the channel number appear. e.g., "1" — "0" (channel 10), "1" — "1" (channel 11).

When the VCR button has been pressed, these buttons can be used to select TV channels on the VCR.
When the VIDEO 1/TV button has been pressed, these buttons can be used to select a TV channel.
When the CD 10 key button has been pressed, these buttons can be used to assign the track numbers for a disk which is to be played or programmed.

Note:

- **Before operating the television or VCR by remote control, be sure to carefully read the television or VCR instruction manual.**

⓮ CONTROL

SEA: Press this button, then use the S.E.A. frequency band select buttons to select frequency band to be adjusted, then press the SEA LEVEL buttons to adjust it.
CD 10 KEY: Press this button then use the CD track No operation (⓬).

⓯ SEA –,+

When the SEA CONTROL button has been pressed, these buttons can be used to adjust the S.E.A. level of the frequency band selected by the S.E.A. frequency band select buttons.

⓰ SOUND SELECTOR

Use this button to combine the VISUAL signal from a VIDEO source with the SOUND signal from a different AUDIO source.

⓱ PRESET CHANNEL

When the FM, AM, or VIDEO 1/TV or VCR button has been pressed, a preset station or TV channel can be selected by using these buttons to sequentially scan the preset stations or channels in either direction.

⓴ CD CONTROL

Stop [■]: Press this button to stop play. The standby mode is engaged.
SKIP [⏮]: Press this button to move the pickup to the beginning of the current song while in the middle of play. Then, each time it is pressed, the pickup will skip to the beginning of the previous selection. Keeping this button pressed causes the pickup to skip back continuously.
SKIP [⏭]: Press this button to move the pickup to the beginning of the next song. After this, each time this button is pressed, the pickup moves forward by one selection. Keeping it pressed causes it to skip forward continuously.
SEARCH [◀◀] (backward): Press to search for the required tune by moving the sensor back.
SEARCH [▶▶] (forward): Press to search for the required tune by moving the sensor forward; sound can be heard at reduced volume level while search is taking place in the play mode.
10: Use this button to designate track numbers.
+10: Use this button to designate track numbers over 10 or establish the time interval.

Note:

- **[0], [10], [+10]: The use of these buttons varies by the model of the CD player. For details, refer to the instruction book provided with the CD player.**

1) Pour les canaux de un à neuf: presser la touche "0" puis le numéro de canal voulu. Par exemple, "0" — "1" (canal 1), "0" — "2" (canal 2).
2) Pour les canaux dix et au-dessus: presser les touches dans l'ordre dans lequel le numéro de canal se présente. Par exemple, "1" — "0" (canal 10), "1" — "1" (canal 11).

Quand on a appuyé sur la touche VCR, ces touches peuvent être utilisées pour sélectionner les canaux de télévision de VCR.
Quand on a appuyé sur la touche VIDEO 1/TV, ces touches peuvent être utilisées pour sélectionner un canal de télévision.
Quand on a appuyé sur la touche CD 10, ces touches peuvent être utilisées pour affecter les numéros de plage d'un disque qui doit être lu ou programmé.

Remarque:

- **Avant de faire fonctionner le téléviseur ou VCR par télécommande, bien lire avec attention le manuel d'instructions du téléviseur ou VCR.**

⓮ Commande (CONTROL)

SEA: Appuyer sur cette touche, puis utiliser les touches de sélection de gamme de fréquence S.E.A. pour sélectionner la gamme de fréquence à régler, puis appuyer sur les touches SEA LEVEL pour la régler.
CD 10 KEY: Appuyer sur cette touche puis utiliser les touches de sélection de numéro de plage de disque compact (⓬).

⓯ Niveau SEA (SEA –,+)

Si la touche SEA CONTROL a été pressée, ces touches peuvent être utilisées pour régler le niveau S.E.A. de la gamme de fréquence sélectionée par les touches de sélection de gamme de fréquence S.E.A.

⓰ Sélecteur de son (SOUND SELECTOR)

Utiliser cette touche pour combiner le signal VISUAL de la source VIDEO avec le signal SOUND d'une source AUDIO différente.

⓱ Canal préréglé (PRESET CHANNEL)

Quand la touche FM, AM, VIDEO 1/TV ou VCR a été pressée, une station préréglée ou un canal TV peut être sélectionné en utilisant ces touches pour balayer en séquence les stations préréglées ou les canaux dans l'une ou l'autre direction.

⓴ Commande de lecteur de disques compacts (CD CONTROL)

Arrêt [■]: Appuyer sur cette touche pour arrêter la lecture. Le mode d'attente est engagé.
Saut (SKIP) [⏮]: Appuyer sur cette touche pour déplacer le capteur au début du morceau en cours de lecture. Puis à chaque pression, le capteur sautera au début de la sélection précédente. En maintenant cette touche pressée, le capteur fait des sauts arrières en continu.
SKIP [⏭]: Appuyer sur cette touche pour déplacer le capteur au début du morceau suivant. Après cela, chaque pression fait déplacer le capteur en avant d'un sélection. En maintenant cette touche pressée, il saute continuellement en avant.
Touche de recherche (SEARCH [◀◀]) (arrière): Lenfoncer pour rechercher le morceau voulu en faisant se déplacer le détecteur vers l'arrière.
Touche de recherche (SEARCH [▶▶]) (avant): Lenfoncer pour rechercher le morceau voulu en faisant se déplacer le détecteur vers l'avant; le son est audible à un volume réduit lors de la recherche dans le mode de lecture.
10: Utiliser cette touche pour désigner les numéros de morceau.
+10: Utiliser cette touche pour désigner des numéros de morceau supérieurs à 10 ou pour établir l'intervalle de temps.

Remarque:

- **[0], [10], [+10]: L'utilisation de ces touches varie selon le modèle de lecteur de disques compacts. Pour plus de détails, se reporter au manuel d'utilisation fourni avec le lecteur en question.**

⑱ TAPE 1 CONTROL

Stop [■]: Press this button to stop play. The standby mode is engaged.

MUSIC SCAN [◀◀], [▶▶]: Press one of these button to briefly play the beginning of each selection.

DIRECTION [◀▶]: Press this button to change the direction of tape travel.

Note:

- **Tape decks, such as Model TD-X501 and TD-X301, are not designed to change the direction of tape travel by this button.**

⑲ Operation buttons for the tape deck/VCR/DAT deck selected by the TAPE 1 CONTROL, VCR CONTROL, or DAT control.

[II] (PAUSE): Press this button to pause during playback or recording. To release this function, press the PLAY button.

[■](STOP): Press this button to stop operation.

[○] (REC): While holding this button pressed, press the PLAY (▶) button to record. When this button is pressed with the PAUSE(II) button, REC-PAUSE mode is activated.

[◀◀]: Press to fast wind the tape from right to left.

[▶](PLAY): Press this button to play a tape.

[▶▶]: Press to fast wind the tape from left to right.

⑳ VOLUME

Press the [+] button to increase the volume and the [−] button to decrease it.

㉑ MUTE

Press this button to instantly mute the sound. To return the volume to its original level, press this button again, or press the BALANCE or VOLUME button.

⑱ Commande de magnétophone 1 (TAPE 1 CONTROL)

Arrêt [■]: Appuyer sur cette touche pour arrêter la lecture. Le mode d'attente est engagé.

Recherche musicale (MUSIC SCAN) [◀◀], [▶▶]: Appuyer sur une de ces touches pour lire rapidement le début de chaque sélection.

Richtingstoets (DIRECTION [◀▶]): Lenfoncer pour changer la direction de défilement de la bande.

Remarque:

- **Les magnétocassettes, tels que les modéles TD-X501 et TD-X301, ne sont pas prévus pour changer le sens de défilement avec cette touche.**

⑲ Touches de commande pour le magnétocassette/ magnétoscope/magnétocassette audio-numérique sélectionné par la commande TAPE, VCR ou DAT.

[II] (PAUSE): Presser cette touche pour faire une pause en lecture ou enregistrement. Pour relâcher cette fonction, presser la touche PLAY.

[■](STOP): Presser cette touche pour arrêter le fonctionnement.

[○] (REC): Tout en maintenant cette touche pressée, appuyer sur la touche PLAY (▶) pour enregistrer. Quand cette touche est pressée avec la touche PAUSE (II), le mode de pause d'enregistrement (REC-PAUSE) est activé.

[◀◀]: Presser pour enrouler rapidement la bande de la droite vers la gauche.

[▶](PLAY): Presser cette touche pour lire une bande.

[▶▶]: Presser pour enrouler rapidement la bande de la gauche vers la droite.

⑳ Volume (VOLUME)

Presser la touche [+] pour augmenter le volume et la touche [−] pour le diminuer.

㉑ Silencieux (MUTE)

Presser cette touche pour annuler instantanément le son. Pour remettre le son à son niveau originel, presser à nouveau cette touche ou presser la touche BALANCE ou VOLUME.

REMOTE CONTROL UNIT (RM-SR950)

TELECOMMANDE (RM-SR950)

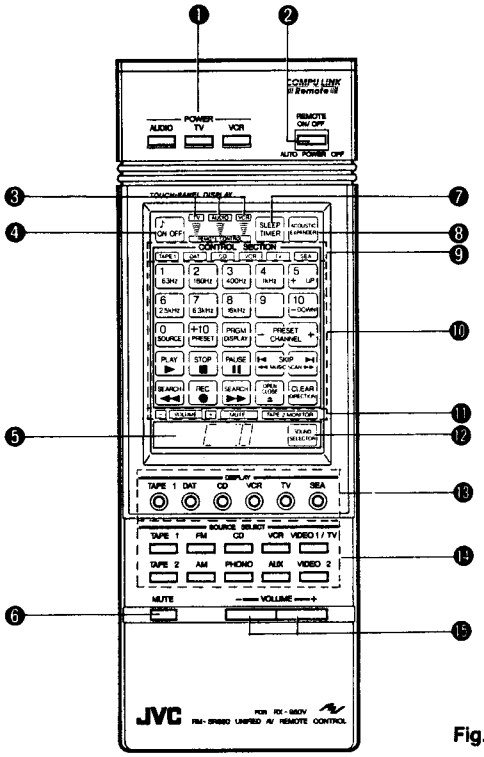


Fig. 12

❶ POWER
AUDIO: Turn on or off the power of the RX-950VBK.
TV: Turn on or off the power of the TV.
VCR: Turn on or off the power of the VCR.

Notes:
- **As long as one of the JVC-specified VCRs or TVs is used, it can be remote-controlled.**
- **Before operating the television or VCR by remote control, be sure to carefully read the television or VCR Instruction manual.**

❷ REMOTE ON/OFF
The function of the remote control unit can be activated or terminated by alternately depressing this button. When this button is turned off, the display on the panel disappears. When it is turned on again, the remote control unit retrieves the previous operating state. For example, suppose that the remote control unit was turned off with the "PHONO" chosen. The "PHONO" will be automatically chosen when the remote control unit is turned on again. When no further entry is made one hour after the last key operation, the remote control unit will be automatically turned off. To turn on the remote control unit again, switch the REMOTE ON/OFF button (❷) to on.

❸ REMOTE CONTROL
Specify the equipment which is the object for remote control transmission (AUDIO, TV or VCR) with mark.

❹ ♪ ON OFF
Upon transmitting a control signal, an electric buzzer emits a tone. This tone can be heard or muted by alternately depressing this button.

❶ Alimentation (POWER)
AUDIO: Enclenche ou coupe l'alimentation du RX-950VBK.
TV: Enclenche ou coupe l'alimentation du téléviseur.
VCR: Enclenche ou coupe l'alimentation du magnétoscope.

Remarques:
- **Pour autant que l'un des magnétoscopes ou téléviseurs de spécification JVC est utilisé, il peut être télécommandé.**
- **Avant d'utiliser le téléviseur ou magnétoscope par télécommande, ne pas oublier de lire attentivement sa notice d'utilisation.**

❷ Marche/arrêt de la télécommande (REMOTE ON/OFF)
La fonction de la télécommande peut être activée ou désactivée en appuyant alternativement sur cette touche. Quand cette touche est sur la position d'arrêt, l'affichage du panneau disparaît. Quand elle est remise sur la position de marche, la télécommande reprend son état initial. Par exemple, supposer que la télécommande a été arrêtée avec le tourne-disques ("PHONO") sélectionné. Lors de la remise en marche de la télécommande, le tourne-disques sera automatiquement sélectionné. Quand aucune entrée n'est faite dans l'intervalle d'une heure suivant le dernier appui sur une touche, la fonction de la télécommande est désactivée automatiquement. Pour la réactiver, mettre la touche REMOTE ON/OFF (❷) sur la position ON.

❸ Télécommande (REMOTE CONTROL)
Spécifie l'appareil (audio, téléviseur ou magnétoscope) qui est l'objet de la transmission par télécommande avec la marque.

❹ Marche/arrêt du vibreur (♪ ON OFF)
Lors de la transmission d'un signal de commande, un vibreur électrique émet une tonalité. Cette tonalité peut être entendue ou supprimée en appuyant alternativement sur cette touche.

❺ Source display
The source which has been chosen by the source selector buttons (⓭) is indicated. The control key corresponding to the chosen source appears on the indicator/key panel (⓾).
The desired source can also be chosen by depressing the DISPLAY buttons (⓭) first and the PLAY (▶) button next.

Note:
- **When the source selection is made on the equipment side after the source selection is made by means of remote control unit, the equipment and source display show different indications: The equipment indicates new source while the source indicator of the remote control unit is not changed.**

❻ MUTE
Press this button to instantly mute the tone. To return the volume to its original level, press this button again or press the VOLUME button (⓯).

❼ SLEEP TIMER
When this button is pressed, its indicator flickers. Each time this button is pressed, the sleep timer's setting increases in 10-minute increments up to 60 minutes, and its setting is shown on the display of the RX-950VBK.

❽ ACCOUSTIC EXPANDER
When this button is pressed, its indicator flickers. Press this button to activate or terminate the function of the accoustic expander.

❾ CONTROL SECTION
Press the DISPLAY buttons (⓭) or the source selector buttons (⓫) to choose the desired control. The chosen control (except for FM, AM, or PHONO) will appear on the panel of the CONTROL SECTION (❾).

❿ INDICATOR/KEY PANEL
This panel features indicators and operating keys. It has a touch sensitive LCD (Liquid Crystal Display). Upon input with the DISPLAY buttons (⓭) or the source selector buttons (⓫), associated symbols will appear on the indicator/key panel (❿) for you to choose. Next, select one for the desired operation. For example, if you choose a CD player as input, the menu associated with the CD player appears on the panel (❿). You can then perform the desired operation.

Note:
- **When the SOURCE SELECTOR is changed to "AUX", "VIDEO 2" or "TAPE 2", the indicator and function maintain the operating state previous to these buttons having been pushed.**

TAPE 1
PLAY (▶): Press to play a tape.
STOP (■): Press to stop operation.
PAUSE (❙❙): Press to pause during playback or recording. To release this function, press the PLAY button.
MUSIC SCAN (◀◀, ▶▶): Press one of these buttons to scan to the the beginning of each selection.
REW (◀◀): Press to fast wind the tape from right to left.
RECORD (●): Press this button with the PLAY (▶) button to record with the tape deck or VCR. When this button is pressed with the PAUSE (❙❙) button, the record pause mode is activated.
FF (▶▶): Press to fast wind the tape from left to right.

❺ Affichage de source
La source qui a été choisie par les touches de sélection (⓭) est indiquée. La touche de commande correspondant à la source choisie apparaît sur le panneau d'indication/de touches (❿). La source désirée peut aussi être choisie en appuyant d'abord sur les touches DISPLAY (⓭) puis sur la touche PLAY (▶).

Remarque:
- **Quand la sélection de source est faite sur l'appareil après l'avoir été au moyen de la télécommande, l'appareil et l'affichage de source présentent des indications différentes. L'appareil indique la nouvelle source alors que l'indicateur de source de la télécommande n'est pas changé.**

❻ Silencieux (MUTE)
Appuyer sur cette touche pour supprimer le son instantanément. Pour remettre le volume à son niveau initial, appuyer de nouveau sur cette touche ou appuyer sur la touche VOLUME (⓯).

❼ Minuterie d'arrêt (SLEEP TIMER)
Quand on appuie sur cette touche, son témoin clignote. A chaque appui sur cette touche, le réglage de la minuterie augmente par pas de 10 minutes jusqu'à 60 minutes et est indiqué sur l'affichage du RX-950VBK.

❽ Dilateur acoustique (ACOUSTIC EXPANDER)
Quand on appuie sur cette touche, son témoin clignote.
Appuyer sur cette touche pour activer ou désactiver la fonction du dilateur acoustique.

❾ Séction de commande (CONTROL SECTION)
Appuyer sur les touches DISPLAY (⓭) ou sur les touches de sélection de source (⓫) pour choisir la commande désirée. La commande choisie apparaîtra sur le panneau de séction de commande (❾) (sauf pour FM, AM ou PHONO).

❿ Panneau d'indication/de touches
Ce panneau sert d'indicateur et de touches de commande. Il est muni d'un affichage à cristaux liquides qui répond au toucher. Lors d'une entrée avec les touches DISPLAY (⓭) ou les touches de sélection de source (⓫), les symboles correspondants apparaissent sur le panneau d'indication/de touches (❿). Ensuite, toucher le symbole désiré. Par exemple, si l'on choisit un lecteur de disques compacts comme entrée, le menu correspondant à ce lecteur apparaît sur le panneau (❿). On peut alors exécuter l'opération désirée.

Remarque:
- **Quand le sélecteur de source est changé à "AUX", "VIDEO 2" ou "TAPE 2", l'indicateur et la fonction gardent l'état précédant l'appui sur ces touches.**

Magnétophone 1 (TAPE 1)
Lecture (PLAY) (▶): Appuyer sur cette touche pour obtenir la lecture d'une bande.
Arrêt (STOP) (■): Appuyer sur cette touche pour arrêter le fonctionnement.
Pause (PAUSE) (❙❙): Appuyer sur cette touche pour obtenir une pause lors de la lecture ou de l'enregistrement. Pour annuler cette fonction, appuyer sur la touche PLAY.
Recherche musicale (MUSIC SCAN) (◀◀, ▶▶): Appuyer sur une de ces touches pour obtenir un balayage du début de chaque sélection.
Rebobinage (REW) (◀◀): Appuyer sur cette touche pour enrouler la bande rapidement de la droite vers la gauche.
Enregistrement (RECORD) (●): Appuyer sur cette touche et sur la touche PLAY (▶) pour effectuer un enregistrement avec le magnétophone ou le magnétoscope. Quand on appuie sur cette touche et sur la touche PAUSE (❙❙), le mode pause d'enregistrement est activé.
Avance rapide (FF) (▶▶): Appuyer sur cette touche pour enrouler la bande rapidement de la gauche vers la droite.

DIRECTION: Press this button to change the direction of tape travel.

DAT

PLAY (▶): Press to start play.

STOP (■): Press to stop play.

PAUSE (❙❙): Press to suspend play temporarily.

REW (◀◀): Press to fast wind the tape from right to left.

RECORD (●): Press this button with the PLAY (▶) button to record.

FF (▶▶): Press to fast wind the tape from left to right.

CD

1-10, 0, +10: Use these buttons to assign the track numbers (1-10) for a disc which is to be played or programed. To assign a track number over 10, use a combination of the "+10" button with a numeric button.

Notes:

- **[10], [+10]: These buttons are used exclusively for the CD player.**
- **[0], [10], [+10]: The use of these buttons varies by the model of the CD player. For details, refer to the instruction book provided with the CD player.**

PROGRAM: Use to program the sequence of the selections to be played.

PLAY (▶): Press to start play.

STOP (■): Press to stop play.

PAUSE (❙❙): Press to suspend play temporarily.

SKIP (⏮): Press this button to locate the start of the current selection or to go back to the end of the previous selection during play. Play will go back one selection each time the button is pushed. If the button is held, play will continue to go back one selection at a time until the button is released.

SKIP (⏭): Press to move the laser pickup (of the CD player) to the start of the next selection. Every time this button is pressed, the laser pickup skips forward by one selection. Holding it pressed down moves the laser pickup forward continuously.

SEARCH (◀◀) (backward): Press to search for the required tune by moving the sensor back.

SEARCH (▶▶) (forward): Press to search for the required tune by moving the sensor forward: Sound can be heard at reduced volume levels while searching the play mode.

OPEN/CLOSE (▲): Press to move the disc platter in and out.

CLEAR: Press to clear the program.

Note:

- **For details, refer to the instruction book provided with the CD player.**

Direction (DIRECTION): Appuyer sur cette touche pour changer le sens de défilement de la bande.

Magnétophone audionumérique (DAT)

Lecture (PLAY) (▶): Appuyer sur cette touche lancer la lecture.

Arrêt (STOP) (■): Appuyer sur cette touche pour arrêter la lecture.

Pause (PAUSE) (❙❙): Appuyer sur cette touche pour arrêter la lecture provisoirement.

Rebobinage (REW) (▶▶): Appuyer sur cette touche pour enrouler la bande rapidement de la droite vers la gauche.

Enregistrement (RECORD) (●): Appuyer sur cette touche et sur la touche PLAY (▶) pour effectuer un enregistrement.

Avance rapide (FF) (▶▶): Appuyer sur cette touche pour enrouler la bande rapidement de la gauche vers la droite.

Lecteur de disques compacts (CD)

1-10, 0, +10: Utiliser ces touches pour affecter les numéros de plage (1-10) d'un disque à lire ou à programmer. Pour affecter un numéro de plage supérieur à 10, utiliser la touche "+10" et une touche numérique.

Remarques:

- **[10], [+10]: Ces touches sont exclusivement utilisées pour le lecteur de disques compacts.**
- **[0], [10], [+10]: L'utilisation de ces touches varie selon le modèle de lecteur de disques compacts. Pour plus de détails, se reporter au manuel d'utilisation fourni avec le lecteur en question.**

Programmation (PROGRAM): Utiliser cette touche pour programmer l'ordre des sélections à lire.

Lecture (PLAY) (▶): Appuyer sur cette touche pour lancer la lecture.

Arrêt (STOP) (■): Appuyer sur cette touche pour arrêter la lecture.

Pause (PAUSE) (❙❙): Appuyer sur cette touche pour interrompre la lecture provisoirement.

Saut (SKIP) (⏮): Appuyer sur cette touche pour localiser le début de la sélection actuelle ou pour revenir à la fin de la sélection précédente pendant la lecture. La lecture recule d'une sélection à chaque appui sur cette touche. Si on tient cette touche enfoncée, la lecture continue de reculer sélection par sélection jusqu'à ce qu'on la relâche.

Saut (SKIP) (⏭): Appuyer sur cette touche pour déplacer le capteur laser (du lecteur de disques compacts) jusqu'au début de la sélection suivante. A chaque appui sur cette touche, le capteur laser avance d'une sélection. Si on tient cette touche enfoncée, cela entraîne une avance continue du capteur.

Recherche (SEARCH) (◀◀) (arrière): Appuyer sur cette touche pour rechercher le morceau désiré en faisant reculer le capteur.

Recherche (SEARCH) (▶▶) (avant): Appuyer sur cette touche pour rechercher le morceau désiré en faisant avancer le capteur. Le son est audible à un faible volume lors de la recherche en mode lecture.

Ouverture/fermeture (OPEN/CLOSE) (▲): Appuyer sur cette touche pour faire rentrer ou sortir le plateau porte-disque.

Effacement (CLEAR): Appuyer sur cette touche pour effacer le programme.

Remarque:

- **Pour plus de détails, se reporter au manuel d'utilisation du lecteur de disques compacts.**

VCR
1-9, 0: Press these buttons to select TV channels on the VCR.
Channel − +: Press these buttons to sequentially scan TV channels on the VCR.
PLAY (▶): Press to play a tape.
STOP (■): Press to stop operation.
PAUSE (❚❚): Press to pause during playback or recording. To release this function, press the PLAY button.
REW (◀◀): Press to fast wind the tape from right to left.
RECORD (●): Press this button with the PLAY (▶) button to record with the tape deck or VCR. When this button is pressed with the PAUSE (❚❚) button, record pause mode is activated.
FF (▶▶): Press to fast wind the tape from left to right.
TV
1-9, 0: Press these buttons to select TV channels.
DISPLAY: Press to sequentially change the operation modes pre-programed in the TV set.
CHANNEL − +: Press to sequentially scan the preset channels in either direction.
S.E.A.
63 Hz — 16 KHz: Press to select the frequency band.
+ UP: Press to increase the S.E.A. level of the frequency band selected by the 63 Hz — 16 KHz buttons.
− DOWN: Press to decrease the SEA level of the frequency band selected by the 63 Hz — 16 KHz buttons.
S.E.A. SOURCE: Press to listen to the source with S.E.A. compensation.
S.E.A. PRESET: Press to select an S.E.A. pattern. Each time this button is pressed, the preset pattern of the equalizer is set to successive changes in the following order:
MANUAL A - B - C - D - E - PROGRAMED A - B - C - D - E, then returns to MANUAL A again.
FM
1-9, 0: Press to select the preset stations as follows:
1) For stations one to nine:
   Push the "0" button, then the desired station number, e.g., "0" — "1" (station 1) and "0" — "2" (station 2).
2) For stations ten and above:
   Push the buttons in the order the digits of the station number appear, e.g., "1" — "0" (station 10) and "1" — "1" (station 11).

Preset − +: Press these buttons to sequentially scan the preset station in either direction.
AM
Same as the above FM.
PHONO
PLAY (▶): Press to start play.
STOP (■): Press to stop play.

Magnétoscope (VCR)
1-9, 0: Appuyer sur ces touches pour sélectionner les canaux de télévision sur le magnétoscope.
Canaux − +: Appuyer sur ces touches pour obtenir un balayage séquentiel des canaux de télévision sur le magnétoscope.
Lecture (PLAY) (▶): Appuyer sur cette touche pour obtenir la lecture d'une cassette.
Arrêt (STOP) (■): Appuyer sur cette touche pour arrêter le fonctionnement.
Pause (PAUSE) (❚❚): Appuyer sur cette touche pour obtenir une pause pendant la lecture ou l'enregistrement. Pour quitter cette fonction, appuyer sur la touche PLAY (▶).
Rebobinage (REW) (◀◀): Appuyer sur cette touche pour enrouler la bande rapidement de la droite vers la gauche.
Enregistrement (RECORD) (●): Appuyer sur cette touche et sur la touche PLAY (▶) pour effectuer un enregistrement avec le magnétophone ou le magnétoscope. Quand on appuie sur cette touche et sur la touche PAUSE (❚❚), le mode pause d'enregistrement est activé.
Avance rapide (FF) (▶▶): Appuyer sur cette touche pour enrouler la bande rapidement de la gauche vers la droite.
Téléviseur (TV)
1-9, 0: Appuyer sur ces touches pour sélectionner les canaux de télévision.
Affichage (DISPLAY): Appuyer sur cette touche pour changer séquentiellement les modes de fonctionnement préprogrammés dans le téléviseur.
Canaux (CHANNEL) − +: Appuyer sur ces touches pour obtenir un balayage séquentiel, dans un sens ou dans l'autre, des canaux préréglés.
S.E.A.
63Hz — 16kHz: Appuyer sur ces touches pour sélectionner les bandes de fréquences.
Augmentation (+ UP): Appuyer sur cette touche pour augmenter le niveau S.E.A. de la bande de fréquences sélectionnée à l'aide des touches 63Hz — 16kHz.
Diminution (− DOWN): Appuyer sur cette touche pour diminuer le niveau S.E.A. de la bande de fréquences sélectionnée à l'aide des touches 63Hz — 16kHz.
Source S.E.A. (S.E.A. SOURCE): Appuyer sur cette touche pour écouter la source avec la compensation S.E.A.
Préréglage S.E.A. (S.E.A. PRESET): Appuyer sur cette touche pour sélectionner une forme S.E.A. A chaque appui sur cette touche, la forme préréglée de l'égaliseur change successivement dans l'ordre suivant: MANUAL A - B - C - D - E - PROGRAMMED A - B - C - D - E, puis revient de nouveau à MANUAL A.
Modulation de fréquence (FM)
1-9, 0: Appuyer sur ces touches pour sélectionner les stations préréglées comme suit:
1) Pour les stations un à neuf:
   Appuyer sur la touche "0" puis sur la touche du numéro de station voulu. Par exemple, "0" — "1" (station 1) et "0" — "2" (station 2).
2) Pour les stations dix et au-dessus:
   Appuyer sur les touches dans l'ordre des chiffres du numéro de station. Par exemple, "1" — "0" (station 10) et "1" — "1" (station 11).

Préréglage − +: Appuyer sur ces touches pour obtenir un balayage séquentiel, dans un sens ou dans l'autre, des stations préréglées.
Modulation d'amplitude (AM)
Même chose que pour la modulation de fréquence.
Phono (PHONO)
Lecture (PLAY) (▶): Appuyer sur cette touche pour lancer la lecture.
Arrêt (STOP) (■): Appuyer sur cette touche pour arrêter la lecture.

⓫ **Indicators of "VOLUME", "MUTE" and TAPE 2 MONITOR**

–, VOLUME

These indicators appear when the "–, VOLUME" button (⓯) is pressed.

+, VOLUME

These indicators appear when the "+, VOLUME" button (⓰) is pressed.

MUTE

This indicator flickers, while the MUTE button(⓺) is pressed down.

TAPE 2 MONITOR

This indicator flickers, while the "TAPE 2" of the source selector buttons (⓭) is pressed.

⓬ **SOUND SELECTOR**

When this button is pressed, its indicator LED flickers. And the SOUND signal can be selected from a different AUDIO source to combine with the VISUAL signal originating from the VIDEO source.

Now, press an AUDIO source selector button (CD, PHONO, AM, FM, TAPE 1, TAPE 2, or AUX). The visual signal from the Video 1 terminal is sent to the VIDEO MONITOR OUT A terminal and the VIDEO VCR REC terminals. The SOUND signal from the audio source is heard from the speakers or headphones, and is sent to the AUDIO VCR REC terminal. In this way, a VCR may record the SOUND and VISUAL signals from separate sources.

⓭ **DISPLAY**

Press this button to control the desired source or S.E.A.

The CONTROL SECTION (⓽) indicates the button corresponding to the chosen source, or S.E.A.

⓭ **Source selector buttons**

TAPE 1: Press to listen to a tape deck connected to the TAPE 1 terminals.

TAPE 2: Press to listen to a tape deck connected to the TAPE 2 terminals. If you press this button once more, it will release this function so that the source selected by another source select button may be heard.

Note:

- **Press this button to monitor the recorded sound (listening to the sound just recorded) when using a three-head type tape deck.**

FM: Press to listen to an FM broadcast.

AM: Press to listen to an AM broadcast.

CD: Press to listen to a CD player connected to the CD terminals.

PHONO: Press to listen to a turntable connected to the PHONO terminals.

VCR: Press to watch the source from the VCR connected to the VCR terminals.

AUX: Press to listen to the source connected to the AUX terminals.

VIDEO 1/TV: Press to watch the source from the video unit connected to the VIDEO 1 terminals.

VIDEO 2: Press to watch the source from the video connected to the VIDEO 2 terminals.

⓯ **VOLUME**

Press the "+" button to increase the volume and the "–" button to decrease it.

⓫ **Indications "VOLUME", "MUTE" et "TAPE 2 MONITOR"**

–, VOLUME

Ces indicateurs apparaissent quand on appuie sur la touche "–, VOLUME" (⓯).

+, VOLUME

Ces indicateurs apparaissent quand on appuie sur la touche "+, VOLUME" (⓰).

MUTE

Cet indicateur clignote quand la touche MUTE (⓺) est tenue enfoncée.

TAPE 2 MONITOR

Cet indicateur clignote quand on tient "TAPE 2" des touches de sélection de source (⓭) enfoncée.

⓬ **Sélecteur de son (SOUND SELECTOR)**

Quand on appuie sur cette touche, son témoin clignote. Le signal SOUND peut alors être sélectionné à partir d'une source AUDIO différente pour combinaison avec le signal VISUAL provenant de la source vidéo. Maintenant, appuyer sur une touche de sélection de source AUDIO (CD, PHONO, AM, FM, TAPE 1, TAPE 2 ou AUX). Le signal VISUAL venant de la borne VIDEO 1 est envoyé à la borne VIDEO MONITOR OUT A et aux bornes VIDEO VCR REC. Le signal SOUND venant de la source audio est audible par les haut-parleurs ou le casque et est envoyé à la borne AUDIO VCR REC. Ainsi, un magnétoscope peut enregistrer les signaux SOUND et VISUAL de sources séparées.

⓭ **Affichage (DISPLAY)**

Appuyer sur cette touche pour commander la source désirée ou le S.E.A. La séction de commande (CONTROL SECTION) (⓽) indique la touche correspondant à la source choisie, ou au S.E.A.

⓭ **Touches de sélection de source**

Magnétophone 1 (TAPE 1): Appuyer sur cette touche pour écouter un magnétophone raccordé aux bornes TAPE 1.

Magnétophone 2 (TAPE 2): Appuyer sur cette touche pour écouter un magnétophone raccordé aux bornes TAPE 2. Un autre appui sur cette touche annule cette fonction afin que la source sélectionée par une autre touche puisse être entendue.

Remarque:

- **Quand on utilise un magnétophone à trois têtes, appuyer sur cette touche pour contrôler le son enregistré (écoute du son juste enregistré).**

Modulation de fréquence (FM): Appuyer sur cette touche pour écouter une émission en modulation de fréquence.

Modulation d'amplitude (AM): Appuyer sur cette touche pour écouter une émission en modulation d'amplitude.

Lecteur de disques compacts (CD): Appuyer sur cette touche pour écouter un lecteur de disques compacts raccordé aux bornes CD.

Phono (PHONO): Appuyer sur cette touche pour écouter un tourne-disques raccordé aux bornes PHONO.

Magnétoscope (VCR): Appuyer sur cette touche pour regarder la source provenant du magnétoscope raccordé aux bornes VCR.

Auxiliaire (AUX): Appuyer sur cette touche pour écouter la source raccordée aux bornes AUX..

Vidéo 1/Téléviseur (VIDEO 1/TV): Appuyer sur cette touche pour regarder la source provenant de l'appareil vidéo raccordé aux bornes VIDEO 1.

Vidéo 2 (VIDEO 2): Appuyer sur cette touche pour regarder la source provenant de l'appareil vidéo raccordé aux bornes VIDEO 2.

⓯ **Volume (VOLUME)**

Appuyer sur la touche "+" pour augmenter le volume et sur la touche "–" pour le diminuer.

SPECIFICATIONS

RX-750VBK

AMPLIFIER SECTION

Output power:

100 watts per channel, min. RMS, both channels driven, into 8 ohms from 20 Hz to 20 kHz, with no more than 0.007% total harmonic distortion.

110 watts per channel, min. RMS, both channels driven, into 8 ohms from 40 Hz to 20 kHz, with no more than 0.2% total harmonic distortion.

105 watts per channel, min. RMS, both channels driven, into 8 ohms at 1 kHz with no more than 0.003% total harmonic distortion.

Total harmonic distortion	: 0.003% at 105 watts (1 kHz, 8 ohms)
Intermodulation distortion	: 0.007% at 100 watts
Damping factor	: 45 at 8 ohms, 1 kHz
Input sensitivity/impedance	
PHONO	: 2.5 mV/47 kohms 230 mV/47 kohms
TAPE 1 PLAY, TAPE 2 PLAY, CD, AUX, VCR PLAY, VIDEO 1, VIDEO 2 MAIN IN	
Recording output level	: 230 mV
PRIOUT level	: 230 mV
Frequency response	
PHONO (RIAA equalization)	: 20 Hz — 20 kHz, +0.5 dB, −0.5 dB
TAPE 1 PLAY, TAPE 2 PLAY, CD, AUX, VCR PLAY, VIDEO 1, VIDEO 2	: 5 Hz — 50 kHz, +0 dB, −1 dB
S.E.A. graphic equalizer	
Center frequencies	: 63 Hz, 160 Hz, 400 Hz, 1 kHz, 2.5 kHz, 6.3 kHz, 16 kHz
Control range	: ±10 dB
Signal-to-noise ratio	
PHONO	: 71 dB ('66 IHF) 78 dB ('78 IHF) (Rec out)
TAPE 1 PLAY, TAPE 2 PLAY, CD, AUX, VCR PLAY, VIDEO 1, VIDEO 2	: 100 dB ('66 IHF) 77 dB ('78 IHF)

CARACTERISTIQUES TECHNIQUES

SECTION DE L'AMPLIFICATEUR

Puissance de sortie:

100 watts par canal, min. RMS, les deux canaux entraînés sur 8 ohms, de 20 Hz à 20 kHz avec moins de 0.007% de distortion harmonique totale.

110 watts par canal min. RMS, les deux canaux entraînés sur 8 ohms de 40 Hz à 20 kHz, avec moins de 0,2% de distorsion harmonique totale.

105 watts par canal, min. RMS, les deux canaux entraînés sur 8 ohms, à 1 kHz avec moins de 0,003% de distortion harmonique totale.

Distorsion harmonique totale	: 0,003% à 105 watts (1 kHz, 8 ohms)
Distorsion d'intermodulation	: 0,007% à 100 watts
Facteur d'amortissement	: 45 à 8 ohms, 1 kHz
Sensibilité d'entrée/impédance	
PHONO	: 2,5 mV/47 kohms
TAPE 1 PLAY, TAPE 2 PLAY, CD, AUX, VCR PLAY, VIDEO 1, VIDEO 2 MAIN IN	: 230 mV/47 kohms
Niveau de sortie d'enregistrement	: 230 mV
Seuil PRIOUT	: 230 mV
Réponse en fréquence	
PHONO (égalisatión RIAA)	: 20 Hz — 20 kHz, +0,5 dB, −0,5 dB
TAPE 1 PLAY, TAPE 2 PLAY, CD, AUX, VCR PLAY, VIDEO 1, VIDEO 2	: 5 Hz — 50 kHz, +0 dB, −1 dB
Egaliseur graphique S.E.A.	
Fréquences centrales	: 63 Hz, 160 Hz, 400 Hz, 1 kHz, 2,5 kHz, 6,3 kHz, 16 kHz
Gamme de commande	: ±10 dB
Rapport signal/bruit	
PHONO	: 71 dB ('66 IHF) 78 dB ('78 IHF) (Sortie d'enregistrement)
TAPE 1 PLAY, TAPE 2 PLAY, CD, AUX, VCR PLAY, VIDEO 1, VIDEO 2	: 100 dB ('66 IHF) 77 dB ('78 IHF)

RX-950VBK

AMPLIFIER SECTION

Output power:

120 watts per channel, min. RMS, both channels driven, into 8 ohms from 20 Hz to 20 kHz, with no more than 0.007% total harmonic distortion.

130 watts per channel, min. RMS, both channels driven, into 8 ohms from 40 Hz to 20 kHz, with no more than 0.2% total harmonic distortion.

125 watts per channel, min. RMS, both channels driven, into 8 ohms at 1 kHz with no more than 0.003% total harmonic distortion.

Total harmonic distortion	: 0.003% at 125 watts (1 kHz, 8 ohms)
Intermodulation distortion	: 0.007% at 120 watts
Damping factor	: 45 at 8 ohms, 1 kHz
Input sensitivity/impedance	
PHONO MC	: 250 μV/100 ohms
MM	: 2,5 mV/47 kohms
TAPE 1 PLAY, TAPE 2 PLAY, CD, AUX, VCR PLAY, VIDEO 1, VIDEO 2, MAIN IN	: 230 mV/47 kohms
Recording output level	: 230 mV
PRI OUT level	: 230 mV
Frequency response	
PHONO (RIAA equalization)	: 20 Hz — 20 kHz, +0,5 dB, −0,5 dB
TAPE 1 PLAY, TAPE 2 PLAY, CD, AUX, VCR PLAY, VIDEO 1, VIDEO 2	: 5 Hz — 50 kHz, +0 dB, −1 dB
S.E.A. graphic equalizer	
Center frequencies	: 63 Hz, 160 Hz, 400 Hz, 1 kHz, 2.5 kHz, 6,3 kHz, 16 kHz
Control range	: ±10 dB
Signal-to-noise ratio	
PHONO (MM)	: 80 dB ('66 IHF) 80 dB ('78 IHF) (Rec out)
TAPE 1 PLAY, TAPE 2 PLAY, CD, AUX, VCR PLAY, VIDEO 1, VIDEO 2	: 100 dB ('66 IHF) 77 dB ('78 IHF)

RX-950VBK

SECTION DE L'AMPLIFICATEUR

Puissance de sortie:

120 watts par canal, min. RMS, les deux canaux entraînés sur 8 ohms, de 20 Hz à 20 kHz avec moins de 0.007% de distortion harmonique totale.

130 watts par canal, min. RMS, les deux canaux entraînés sur 8 ohms de 40 Hz à 20 kHz, avec moins de 0.2% de distorsion harmonique totale.

125 watts par canal, min. RMS, les deux canaux entraînés sur 8 ohms, à 1 kHz avec moins de 0,003% de distortion harmonique totale.

Distorsion harmonique totale	: 0,003% à 125 watts (1 kHz, 8 ohms)
Distorsion d'intermodulation	: 0,007% à 120 watts
Facteur d'amortissement	: 45 à 8 ohms, 1 kHz
Sensibilité d'entrée/impédance	
PHONO (MC)	: 250 μV/100 ohms
(MM)	: 2,5 mV/47 kohms
TAPE 1 PLAY, TAPE 2 PLAY, CD, AUX, VCR PLAY, VIDEO 1, VIDEO 2, MAIN IN	: 230 mV/47 kohms
Niveau de sortie d'enregistrement	: 230 mV
Seuil PRI OUT	: 230 mV
Réponse en fréquence	
PHONO (égalisation RIAA)	: 20 Hz — 20 kHz, +0,5 dB, −0,5 dB
TAPE 1 PLAY, TAPE 2 PLAY, CD, AUX, VCR PLAY, VIDEO 1, VIDEO 2	: 5 Hz — 50 kHz, +0 dB, −1 dB
Egaliseur graphique S.E.A.	
Fréquence centrales	: 63 Hz, 160 Hz, 400 Hz, 1 kHz, 2,5 kHz, 6,3 kHz, 16 kHz
Gamme de commande	: ±10 dB
Rapport signal/bruit	
PHONO (MM)	: 80 dB ('66 IHF) 80 dB ('78 IHF) (Sortie d'enregistrement)
TAPE 1 PLAY, TAPE 2 PLAY, CD, AUX, VCR PLAY, VIDEO 1, VIDEO 2	: 100 dB ('66 IHF) 77 dB ('78 IHF)

RX-750VBK/RX-950VBK

FM TUNER SECTION

		IHF
Tuning range	:	87.5 MHz — 108.0 MHz
Usable sensitivity	:	Mono 10.3 dBf 0.9 μV/75 ohms
50 dB quieting sensitivity	:	Mono 14.8 dBf (1.5 μV/75 ohms) Stereo 38.3 dBf (22.5 μV/75 ohms)
Signal-to-noise ratio	:	Mono 84 dB Stereo 78 dB (A-net)
Total harmonic distortion 1 kHz	:	Mono 0.08% Stereo 0.08%
Frequency response	:	30 Hz — 15 kHz, +0.5 dB, −0.8 dB
Capture ratio	:	1.5 dB
Alternate channel selectivity	:	70 dB, ±400 kHz
Image response ratio	:	90 dB at 98 MHz
IF response ratio	:	100 dB at 98 MHz
Stereo separation	:	50 dB at 1 kHz

RX-750VBK/RX-950VBK

AM TUNER SECTION

		IHF
Tuning range	:	530 kHz — 1,710 kHz
Sensitivity	:	30 μV* 250 μV/m*
Signal-to-noise ratio	:	50 dB* (100 mV/m)
Selectivity	:	38 dB, ±10 kHz
Image response ratio	:	40 dB*
IF response ratio	:	65 dB
Total harmonic distortion	:	0.5%* (100 mV/m)

VIDEO SECTION

Output signal level (VCR REC) (MONITOR OUT A,B)	:	1 Vp-p (at 1 Vp-p input)
Impedance	:	75 ohms unbalanced
Synchronization	:	Negative
Signal-to-noise ratio	:	45 dB
Crosstalk	:	45 dB (3.58 MHz)

Design and specifications subject to change without notice.
* Measured at 1,000 kHz for IHF.

RX-750VBK/RX-950VBK

SECTION DU SYNTONISEUR FM

		IHF
Gamme d'accord	:	87,5 MHz — 108,0 MHz
Sensibilité utilisable	:	Mono 10,3 dBf 0,9 μV/75 ohms
Seuil de sensibilité 50 dB	:	Mono 14,8 dBf (1,5 μV/75 ohms) Stéréo 38,3 dBf (22,5 μV/75 ohms)
Rapport signal/bruit	:	Mono 84 dB Stéréo 78 dB (réseau A)
Distorsion harmonique total 1 kHz	:	Mono 0,08% Stéréo 0,08%
Réponse en fréquence	:	30 Hz — 15 kHz, +0,5 dB, −0,8 dB
Rapport de capture	:	1,5 dB
Sélectivité variante de canal	:	70 dB, ±400 kHz
Rapport de sélectivité	:	90 dB à 98 MHz
Rapport de réponse FI	:	100 dB à 98 MHz
Séparation stéréo	:	50 dB à 1 kHz

RX-750VBK/RX-950VBK

SECTION DU SYNTONISEUR AM

		IHF
Gamme d'accord	:	530 kHz — 1.710 kHz
Sensibilité	:	30 μV* 250 μV/m*
Rapport signal/bruit	:	50 dB* (100 mV/m)
Sélectivité	:	38 dB, ±10 kHz
Rapport de réponse d'image	:	40 dB*
Rapport de réponse FI	:	65 dB
Distorsion	:	0,5%* (100 mV/m)

SECTION VIDEO

Niveau de signal de sortie (VCR REC) (MONITOR OUT A, B)	:	1 Vc-c (à une entrée de 1 Vc-c)
Impédance	:	75 ohms, asymétrique
Synchronisation	:	Négative
Rapport signal/bruit	:	45 dB
Diaphonie	:	45 dB (3,58 MHz)

Présentation et caractéristiques modifiables sans préavis.
* Mesuré à 1.000 kHz pour IHF.

DIMENSIONS AND WEIGHT

Model	Dimensions			Weight
	Width	Height	Depth	
RX-750VBK	435 mm 17-3/16"	128.5 mm 5-1/16"	381 mm 15"	10.4 kg 23.0 lbs.
RX-950VBK	435 mm 17-3/16"	128.5 mm 5-1/16"	381 mm 15"	10.4 kg 23.0 lbs.

POWER SPECIFICATIONS

Areas	Line voltage & frequency	Power consumption	
		RX-750VBK	RX-950VBK
U.S.A. Canada	AC 120 V∿, 60 Hz	350 watts 450 VA	510 watts 620 VA

DIMENSIONS ET POIDS

Modèle	Dimensions (mm)			Poids (kg)
	Largeur	Hauteur	Profondeur	
RX-750VBK	435	128.5	381	10.4
RX-950VBK	435	128.5	381	10.4

CARACTERISTIQUES D'ALIMENTATION

Pays	Tention secteur et fréquence	Consommation	
		RX-750VBK	RX-950VBK
Etats—Unis Canada	CA 120 V∿, 60 Hz	350 watts 450 VA	510 watts 620 VA

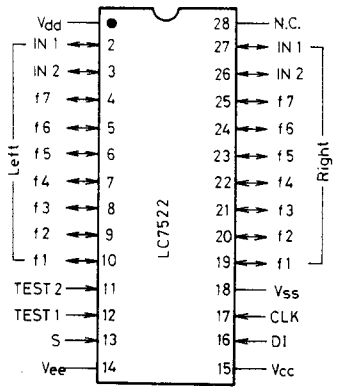
JVC
VICTOR COMPANY OF JAPAN, LIMITED

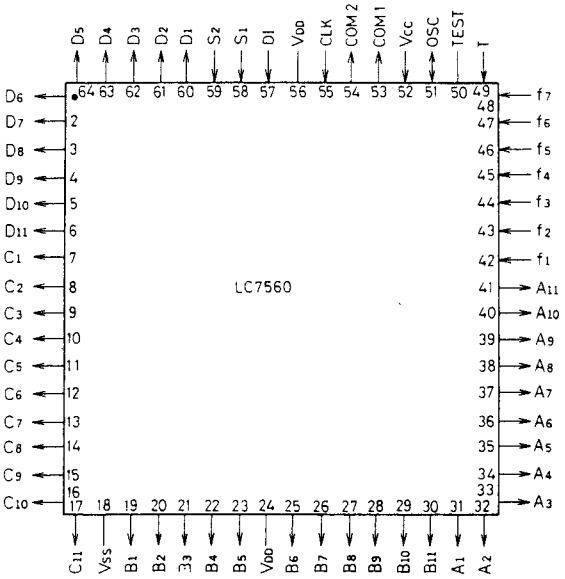
Printed in Japan

Technical Explanations

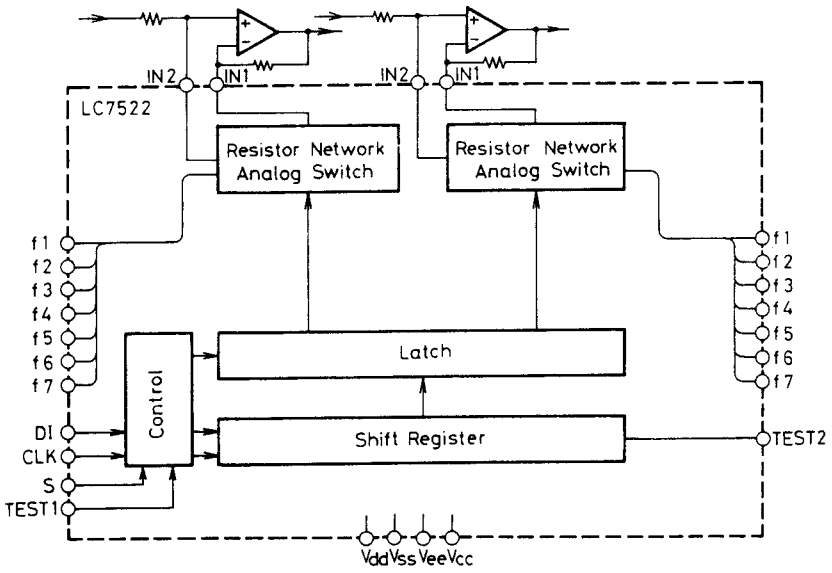
Among the various LSI's adopted on this model, explanations are made in this Section especially on the two types of LSI's assigned to SEA control by the computer. These two LSI's are LC7522 (Symbol No. IC503) and LC7560 (Symbol No. IC401).

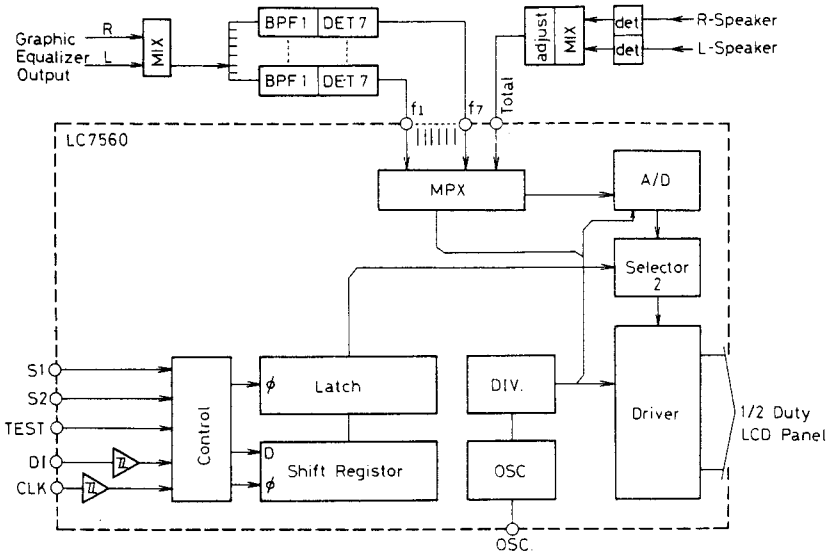
■ Terminal Layout Diagram




LC7560
D5 D4 D3 D2 D1 S2 S1 DI VDD CLK COM2 COM1 Vcc OSC TEST T
D6 D7 D8 D9 D10 D11 C1 C2 C3 C4 C5 C6 C7 C8 C9 C10
f7 f6 f5 f4 f3 f2 f1
A11 A10 A9 A8 A7 A6 A5 A4 A3
C11 Vss B1 B2 B3 B4 B5 VDD B6 B7 B8 B9 B10 B11 A1 A2

■ Interior Block Diagram





■ Explanation of Each Terminal

LC7522 (Graphic Equalizer) C-MOS LSI, 7 bands, right-side/left-side independent, ±2 dB step, ±10 dB variable

Name	Terminal No.	Terminal type	Explanation
VDD	1		Power supply terminal, +18V Power supply for voice signals
Vref	15		Power supply terminal, +13V Power supply for logic drive
Vss	18		Power supply terminal, 0V
VEE	14		Power supply terminal, −18V Power supply for voice signals
DI	16		Terminal for data input from CPU Schmitt inverter type
CLK	17		Terminal for clock input from CPU Schmitt inverter type
GND	–		Voice-signal system GND
IN1	2, 27		Input terminal for voice signals IN1 to be connected to OP amplifier inversion input
IN2	3, 26		IN2 to be connected to OP amplifier noninversion input Provided both on right side and on left side
f1 ~ f7	10 ~ 4 19 ~ 25		Connection terminal for band filter f1 ~ f7 x right side/left side Total 14 terminals
S	13		Select terminal when 2 chips are used Key code: FD under "1" input Key code: FC under "0" input

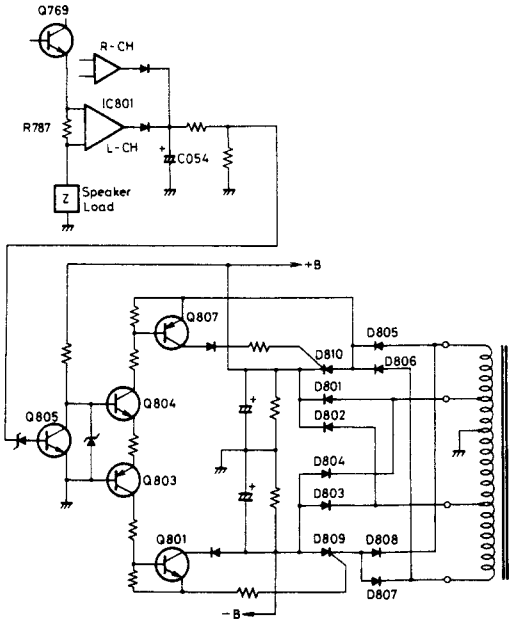
LC7560 (LCD Display Driver) C-MOS LSI, 7 bands, ±2 db step, 11-point display

Name	Terminal No.	Terminal type	Explanation
VDD	24 56		Power supply terminal, +13V Power supply for A/D conversion
Vcc	52		Power supply terminal, +5V Power supply for logic drive
Vss	18		Power supply terminal, 0V
DI	57		Terminal for data input from CPU Schmitt inverter type
CLK	55		Terminal for clock input from CPU Schmitt inverter type
COM1 COM2	53 54		Output terminal to LCD common
$A_1 \sim A_{11}$	31 ~ 41		Output terminal to LCD segment For bands f_1 and f_2
$B_1 \sim B_{11}$	19 ~ 30		Output terminal to LCD segment For bands f_3 and f_4
$C_1 \sim C_{11}$	7 ~ 17		Output terminal to LCD segment For bands f_5 and f_6
$D_1 \sim D_{11}$	60 ~ 64 1 ~ 6		Output terminal to LCD segment For band f_7 and total display
$f_1 \sim f_7$	42 ~ 48		Input terminal for voice signal detection output
T	49		Input terminal for total display Inputs signal detection output
OSC	51		Open-drain-type output buffer Connection terminal of exterior-mounted CR for oscillator
S1	58		Select terminal when a plural number of chips is used (max. 4 chips)
S2	59		

S1	S2	Key Code
1	1	FB
0	1	FA
1	0	F9
0	0	F8

■ Power Supply Switching Circuit Which controlled by the speaker load. (Except for the U.S.A. and Canada)

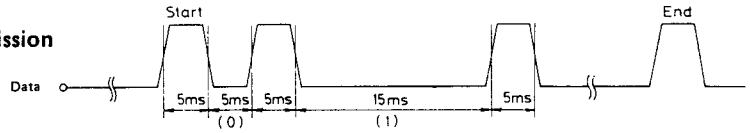
- When the load impedance exceeds 7 ohms, or when the output is small even under 7 ohms, Q804, Q803, Q807, and Q801 go ON because Q805 is OFF. Consequently, current flows to the gates of thyristors D809 and D810, causing these thyristors to be turned ON, and the power amplifier is actuated by high voltage through D805, D806, D807, and D808.
- When output is effected under the load impedance of less than 7 ohms, current and voltage are detected from both ends of R787 (R788 on the right side) to obtain the load impedance, and the detected output is amplified by IC051.
  When voltage at both ends of C057 rises above 11V, Q805 is turned ON, while Q804, Q803, Q807, and Q801 are turned OFF. As a result, the gate current at D809 and D810 becomes zero, causing these D809 and D810 also to become OFF. This status causes the power amplifier to start functioning at low voltage through D801, D802, D803, and D804.
- Low-voltage functioning is effected at about 70% of high voltage, contributing to improving efficiency during the low-impedance period.



■ Data Transmission through Synchro Terminal

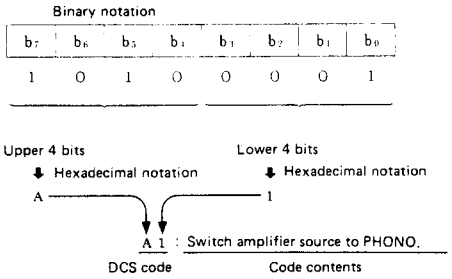
As the synchro terminal has a common bus line to other equipment connected externally, data from both units can be mutually exchanged according to the transmission method shown below.

■ Data transmission



Data signals "0" and "1" are discriminated by different intervals between pulses during transmission.
Namely, a pulse interval, of 5 ms . . . . . "0"
a pulse interval, of 15 ms . . . . . "1"
Every transmission datum is composed of 8 bits. Therefore, the number of pulses for a datum in nine.

■ Configuration of datum



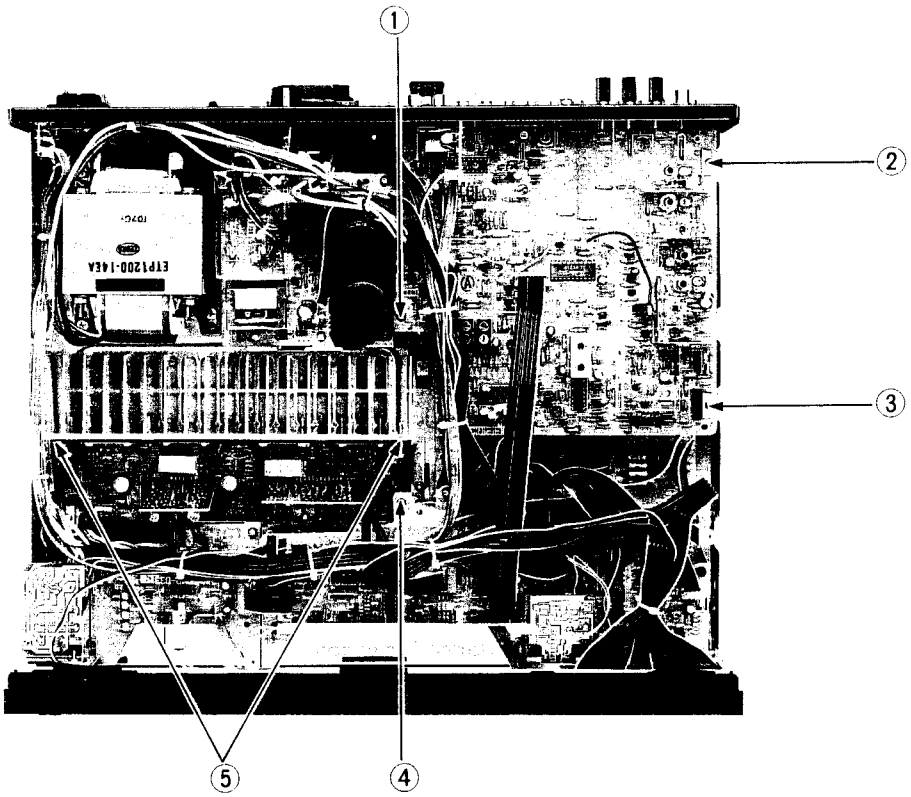
■ Relationship between Remote Control Transmitter (RM-SR950) and DCS Codes

SLEEP TIMER	POWER			SEA SOURCE
	AUDIO	TV	VCR	
–	–	–	–	–
FM	63 Hz/1	160 Hz/2	400 Hz/3	SEA PRESET
C2	(3) D1	(3) D2	(3) D3	–
AM	1 kHz/4	2.5 kHz/5	6.3 kHz/6	SEA CONTROL
C3	(3) D4	(3) D5	(3) D6	–
VCR	16 kHz/7	SEA –/8	SEA +/9	CD 10 KEY
–	(3) D7	(3) D8	(3) D9	–
VIDEO 1/TV	0	– PRESET CHANNEL +		SOUND SELECTOR
–	(3) D0	(3) C7	(3) C6	–
PHONO	(PHONO) STOP	◄◄ SEARCH ►►		10
A1	86	47	46	5B
CD	(CD) STOP	⏮ SKIP ⏭		+10
A3	42	44	43	5F
TAPE 1	(TAPE 1) STOP	◄◄ MUSIC SCAN ►►		DIRECTION
A4	2E	2C	2B	27
TAPE 2	VCR CONTROL	PAUSE/STILL	STOP	REC
A5	–	(4) 25 05 (6) (5) 2D 0D (7)	(8) 22 (9) 02	(10) 2D 0D (12) (11) 29 09 (13)
VIDEO 2	TAPE 1 CONTROL	◄◄	PLAY	►►
–	–	(8) 24 (9) 04	(14) 20 00 (16) (15) 29 09 (17)	(8) 23 (9) 03
ACOUSTIC EXPANDER	DAT CONTROL	MUTE	– VOLUME	+
–	–	–	–	–

Notes:

(3) After depressing FM/AM key, this is pressed.
(4) After depressing TAPE 1 CONTROL key, this key and PLAY key are pressed at the same time.
(5) After depressing TAPE 1 CONTROL key, this key and REC key are pressed at the same time.
(6) After depressing DAT CONTROL key, this key and PLAY key are pressed at the same time.
(7) After depressing DAT CONTROL key, this key and REC key are pressed at the same time.
(8) After depressing TAPE 1 CONTROL key, this key is pressed.
(9) After depressing DAT CONTROL key, this key is pressed.
(10) After depressing TAPE 1 CONTROL key, this key and PAUSE/STILL key are pressed at the same time.
(11) After depressing TAPE 1 CONTROL key, this key and PLAY key are pressed at the same time.
(12) After depressing DAT CONTROL key, this key and PAUSE/STILL key are pressed at the same time.
(13) After depressing DAT CONTROL key, this key and PLAY key are pressed at the same time.
(14) After depressing TAPE 1 CONTROL key, this key is pressed.
(15) After depressing TAPE 1 CONTROL key, this key and REC key are pressed at the same time.
(16) After depressing DAT CONTROL key, this key is pressed.
(17) After depressing DAT CONTROL key, this key and REC key are pressed at the same time.

Removal Procedures



(1) Removing the Front Panel

Step 1: Demount the top cover by removing four screws from the two sides and two screws from the rear.

Step 2: Remove three screws securing the front panel on its upper side and three screws securing it on the lower side.

Step 3: Demount the switch P.C. board secured to the front panel with catches.

(2) Removing the Tuner P.C. Board

Step 1: Demount the top cover (see above item (1), step 1).

Step 2: Remove three screws (1) through (3) securing the tuner P.C. board on its upper side.

Step 3: Remove four screws (USA, Canada: five screws) securing the antenna terminal on its rear side.

(3) Checking the Pre-Amplifier P.C. Board

Step 1: Demount the tuner P.C. board (see above item (2)).

Step 2: Demount the bottom cover by removing three screws from the bottom.

(4) Checking the Power Amplifier P.C. Board

Step 1: Demount the top cover (see above item (1), step 1).

Step 2: Demount the bottom cover by removing two screws from the bottom.

(5) Removing the Front Bracket

Step 1: Demount the front panel (see above item (1)).

Step 2: Remove one screw (4) securing the front bracket on its upper side.

Step 3: Remove one screw securing the front bracket on its bottom side.

Step 4: Remove four screws securing the front bracket on its bottom side (toward you).

(6) Removing the Power Transistors

Step 1: Demount the top cover (see above item (1), step 1).

Step 2: Demount the bottom cover (see above item (4), step 2).

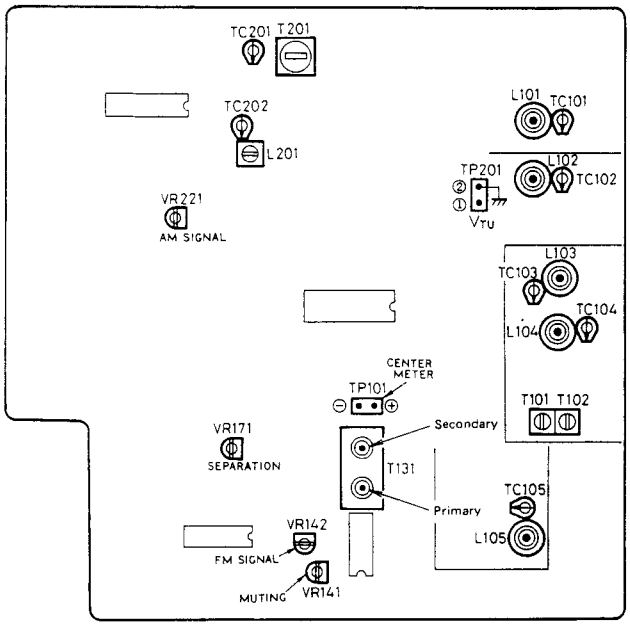
Step 3: Remove four screws (5) securing the heat-sink using a bended screwdriver.

Step 4: Resolder the pins of the power transistors.

Note: The part number of the bended screwdriver is "EBSJ-1005".

Adjustment Procedures

(1) FM/AM Tuner P.C. Board



FM Section

Band Cover

1. Set the TC105 to center position.
2. Connect a DC VTVM to TP201.
3. Set the frequency display to "87.5 MHz".
4. Adjust L105 so that the VTVM shows 8.0 V ± 0.1 V.
5. Set the frequency display to "108.0 MHz".
6. Adjust TC105 so that the VTVM shows 23.0 V ± 0.1 V.
7. Repeat these items (from item 3. to item 6.) alternately until reference voltage is obtained.

Sensitivity

Low Frequency

1. Connect an RF generator to the antenna terminals on the rear panel through a dummy antenna.
2. Set an RF generator to 90 MHz, a modulation of 1 kHz and a deviation of 75 kHz to provide an input of 2 μV.
3. Connect a VTVM and an oscilloscope to the "REC. OUT" terminal on the rear panel.
4. Set the frequency display to 90 MHz.
5. Adjust coils L101, L102, L103 and L104 to maximize the output.
6. Adjust IFT (T101) to maximize the output.

High Frequency

7. Set the RF generator to 106 MHz, a modulation of 1 kHz and a deviation of 75 kHz to provide an input of 2 μV.
8. Set the Frequency Display to 106 MHz.
9. Adjust the FM trimmers TC101, TC102, TC103 and TC104 to maximize the output.
10. Repeat these high and low frequencies adjustment alternately until maximum sensitivity is obtained.

Descriminator Distortion

1. Press to FM position.
2. Connect an RF generator, 1 kHz modulation and a 75 kHz deviation to the antenna terminals on the rear panel through a dummy antenna.
3. Connect an oscilloscope, Distortion Meter and VTVM to the "REC. OUT" terminal on the rear panel.
4. Set the RF generator to 98 MHz, generator output to 60 dB/μV (1 mV).
5. Set the frequency display to 98 MHz.
6. Connect a DC VTVM between TP101.
7. Adjust the core indicated arrow (Primary) of T131 for DC VTVM reading of (zero) mV.
8. And set the RF generator output to 1 mV.
9. Adjust the core indicated arrow (Secondary) of T131 so that the distortion is minimized.
10. Repeat these items (from item 7. to item 9.) alternately until reference specification is obtained.

Stereo Distortion

Note: This adjustment is after the discriminator distortion adjustment.

1. Set the frequency display to 98 MHz.
2. Switch the selector of stereo-modulator to left channel modulation.
3. Adjust T102 so that the distortion is minimized.

Stereo Separation

1. Switch the selector of stereo modulator to left channel modulation.
2. Adjust VR171 so that the output of right channel is minimized.
3. Switch the selector of the modulator to right channel modulation.
4. Adjust VR171 so that the left channel is minimized.
5. Set VR171 to a average, if the separation of left and right is different.

Muting

1. Connect the RF generator to the antenna terminal on the rear panel.
2. Se the RF generator at 100.1 MHz, 10 μV. Rotate VR141 counterclockwise, and stop rotating at the point where muting is eliminated (signals are output).

Signal Strength Display

1. Set the RF generator at 100.1 MHz, 100 μV. While rotating VR142 clockwise, adjust the FM-signal strength meter so that this meter displays 40 dB.

AM Section

Band Cover

1. Press to AM position.
2. Set the frequency display to 530 kHz.
3. Connect DC VTVM to TP201.
4. Adjust L201 so that the VTVM shows 2.0 V.
5. And set the frequency display to 1710 kHz.
6. Adjust TC202 so that the DC VTVM reads 22.0 V.

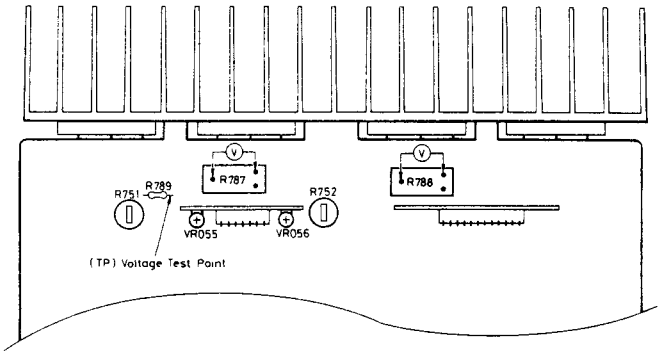
Tracking and Sensitivity

1. Connect the loop antenna. Also connect the RF generator to the antenna terminal on the rear panel.
2. Set the generator to 600 kHz with 30% modulation at 400 Hz.
3. Set the frequency display to 600 kHz.
4. Adjust T201 to maximize the output.
5. Set the generator to 1400 kHz.
6. Set the frequency display of the unit to 1400 kHz.
7. Adjust TC201 so that the output signal is maximized.
8. Repeat these adjustments (1 ~ 7) alternately until maximum sensitivity is obtained.

AM-signal Strength Meter

1. Connect the RF generator to the antenna terminal on the rear panel. For this procedure, use the dummy antenna and make connection in series via 5.6 kΩ.
2. Set the RF generator either at 1000 kHz, 10 mV.
3. While rotating VR221 clockwise, adjust the AM-signal strength meter so that this meter displays 90 dB.

(2) Power Amplifier P.C. Board



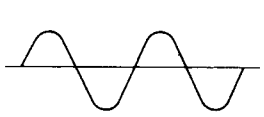
Idling Current Adjustment

1. Turn R751 and R752 fully counterclockwise before switching the power on.
2. Allow the set to warm up at least 10 minutes before adjustment.
3. The heatsink must be retained to prevent overheating before adjustment.
4. Set the volume control to minimum during this adjustment.
5. Connect a DC VTVM to R787 resistor's leads for the left channel, or to R788's leads for the right channel.
6. Adjust R751 for the left channel, or R752 for the right channel, so that the DC VTVM reads 5 mV.

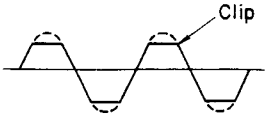
Power Supply Switching Circuit Adjustment (Except for the U.S.A. and Canada)

1. Before turning the power ON, turn the semi-fixed resistors (VR055 for Left channel and VR056 for Right channel) of the amplifier circuit board fully counterclockwise.
2. Turn the power ON and input a 20 Hz sine wave to the Left channel (or the Right channel) of the AUX. Then, connect a 7 Ω dummy load to the speaker terminal, adjust either the amplifier's volume or the oscillator's volume to obtain 29 V output.
3. Measure voltage on the R789 (TP) and confirm that the range of "58 V ± 3 V" exists. Next, slowly rotate clockwise the semi-fixed resistors (VR055/L or VR056/R) and set voltage at the R789 (TP) to the level of 38 V ± 3 V.
4. Shift the dummy load from 7 ohms to 8 ohms and confirm that voltage at the R789 (TP) is 58 V ± 3 V. When this voltage is out of the range (58 V ± 3 V), readjust the semi-fixed resistors.

Note:
- **Adjust on one channel at a time, either on the "L" channel or the "R" channel.**
- **When you need dummy (7 ohms/8 ohms), consult with JVC.**
- **When speaker output is observed with an oscilloscope, waveforms present a "clip" status after voltage has been switched (after (TP) has become 38 V ± 3 V).**

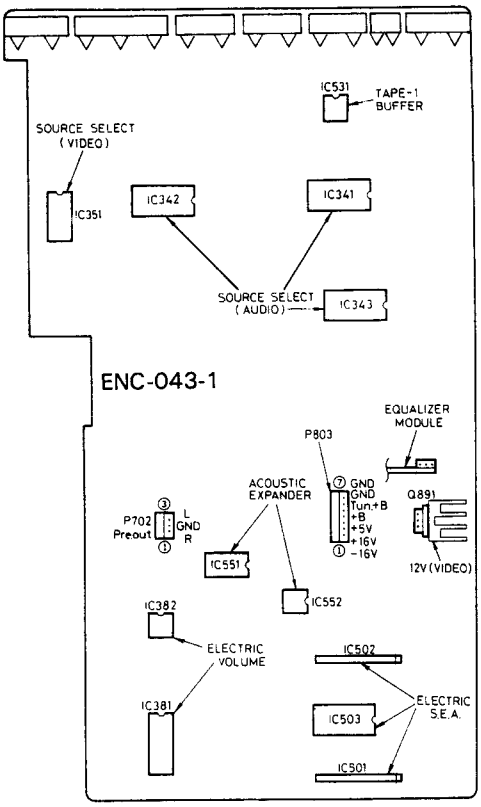


Under Steps 2 and 4



Under Step 3

Functions of ICs on the Pre-Amplifier PC Board

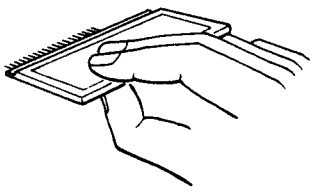


Handling precautions of LCD panels

The LCD (Liquid Crystal Display) panel employed in this device requires the following handling precautions.

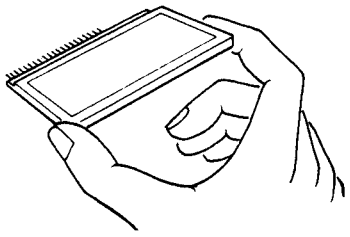
1. Since the LCD is made of plate glass, never apply strong mechanical impact to it.

   Do not forcibly press the light-polarizing plate.

   (NG)

   When handling, grip it as shown in the figure below.

   (OK)

2. When handling the LCD, wear gloves whenever possible.
3. When the light-polarizing plate (surface other than silk-printed areas) becomes contaminated, use an applicator wet with isopropyl alcohol to gently wipe it clean. As for the silk-printed areas, use a soft cloth also to gently wipe it clean.

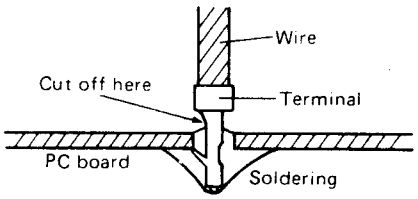
   NOTE: The light-polarizing plate attached to the LCD surface and the silk-printed areas are made of soft material.
4. As much as possible, avoid exposing the LCD to irradiation of harmful light (direct sunlight or ultraviolet rays), especially when the device is not in use.
5. Do not imprint DC voltage on pins of the LCD (characteristics will be degraded).
6. When the LCD is damaged, resulting in leakage of liquid crystal, be very cautions to avoid the liquid from penetrating one's mouth or being swallowed. Should liquid crystal contact the hands or clothing, immediately wash with water, using soap or other appropriate cleanser.

Servicing Method for AWG #20 Wires with Clamping Terminals

(1) Application objective ⇨ Confirmation of safety
Used to prevent breakage/disconnection troubles of primary and secondary wires within PC boards (or between PC boards). Even when wire breakage/disconnection has actually occurred, a safe air-gap distance between the primary wire and the secondary wire/possibly contacting metal surface can be maintained because the terminal retains the wire sheathing.

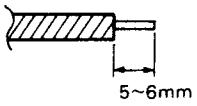
(2) Type of wire used
① 1015 AWG-#20 (single-coated)
② 1672 AWG-#20 (double-coated)

(3) Servicing precautions
① The structural design of this terminal causes its catch to hook onto the PC board, preventing the wire from being easily pulled out. As shown in the figure, use cutting pliers or a similar tool to cut off the ends of the terminal and wire; then remove the remaining terminal clip by melting the soldering.

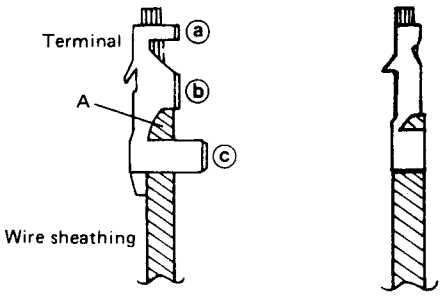


② Prior to soldering the wire onto the PC board, confirm safety by pressure-fitting the terminal to the wire by observing the following procedures.

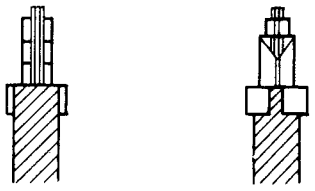
1. Strip off the wire 5 ~ 6 mm from its end.



2. Insert the wire until its sheathing contacts section "A" of the terminal and pressure-fit the terminal clamp at three sections of ⓐ ⓑ , and ⓒ (section ⓒ is especially important to assure safety. Exercise particular care to achieve secure clamping).

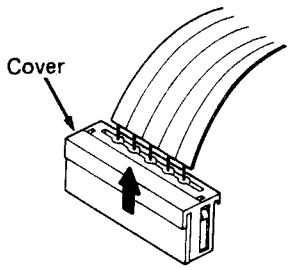


③ Part No., and name
Part No. : 5298T
Name : CRIMP PIN

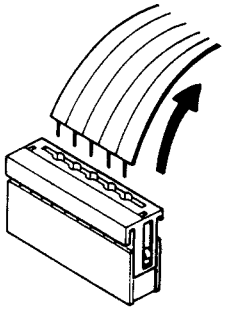


■ Use of new-type connector

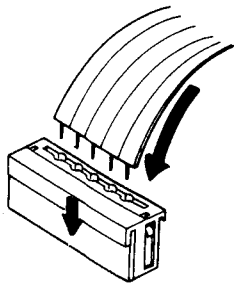
(1) Slide the cover upward.



(2) Extract the wires.

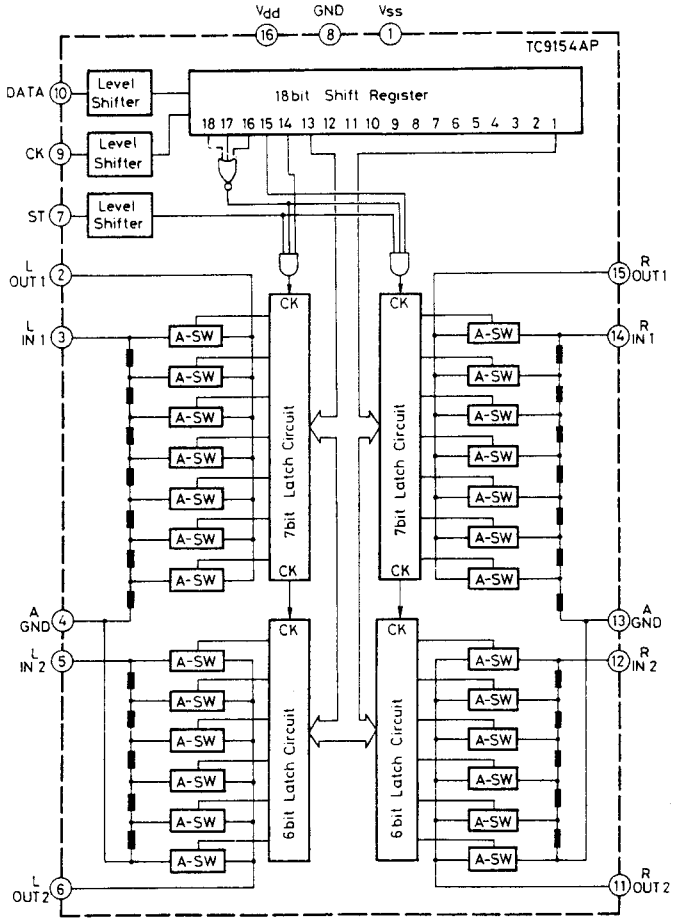


(3) Insert the wires after pushing in the cover.



Internal Block Diagrams of Major ICs

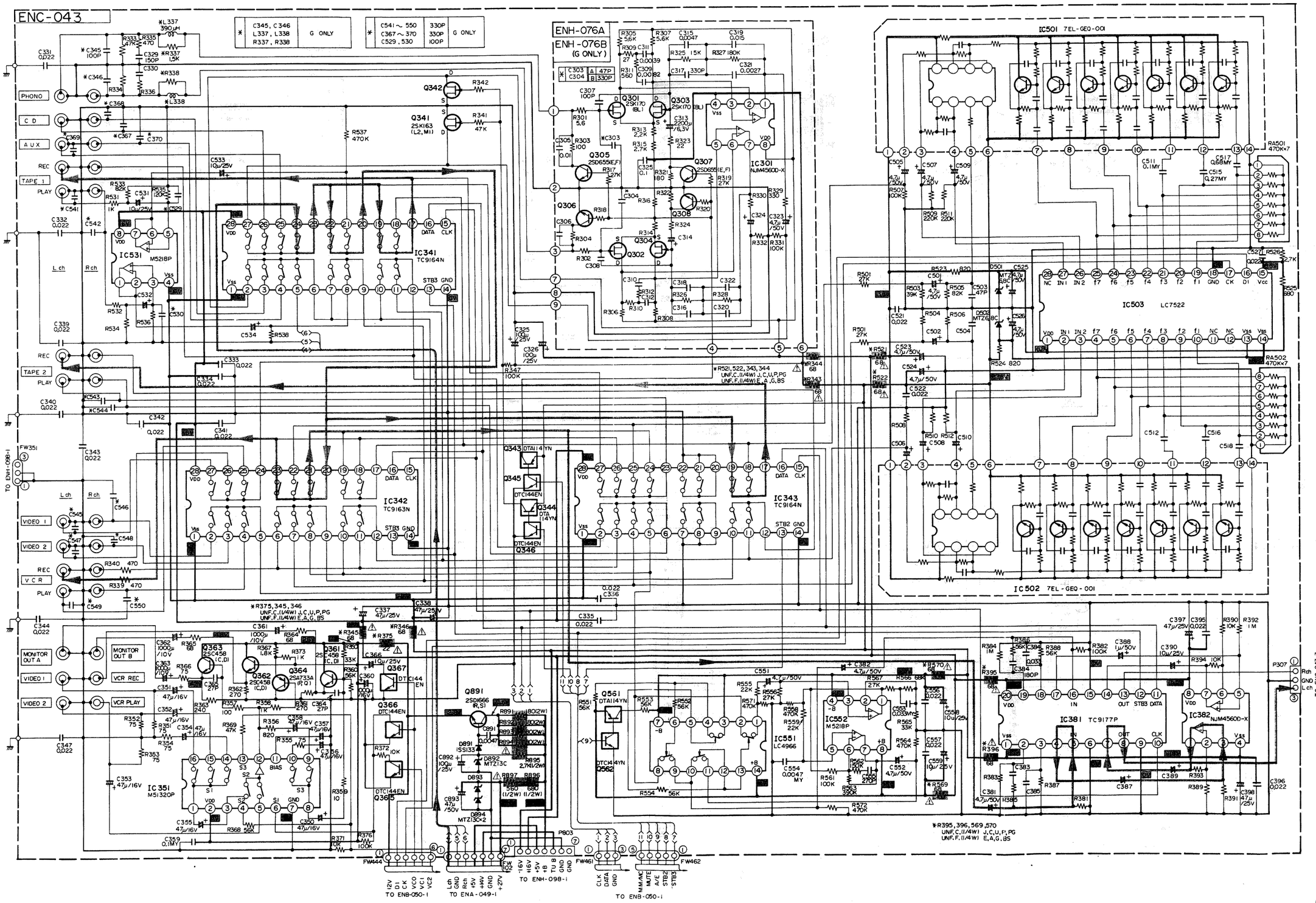
IC445: TC9154AP



IC445: TC9154AP

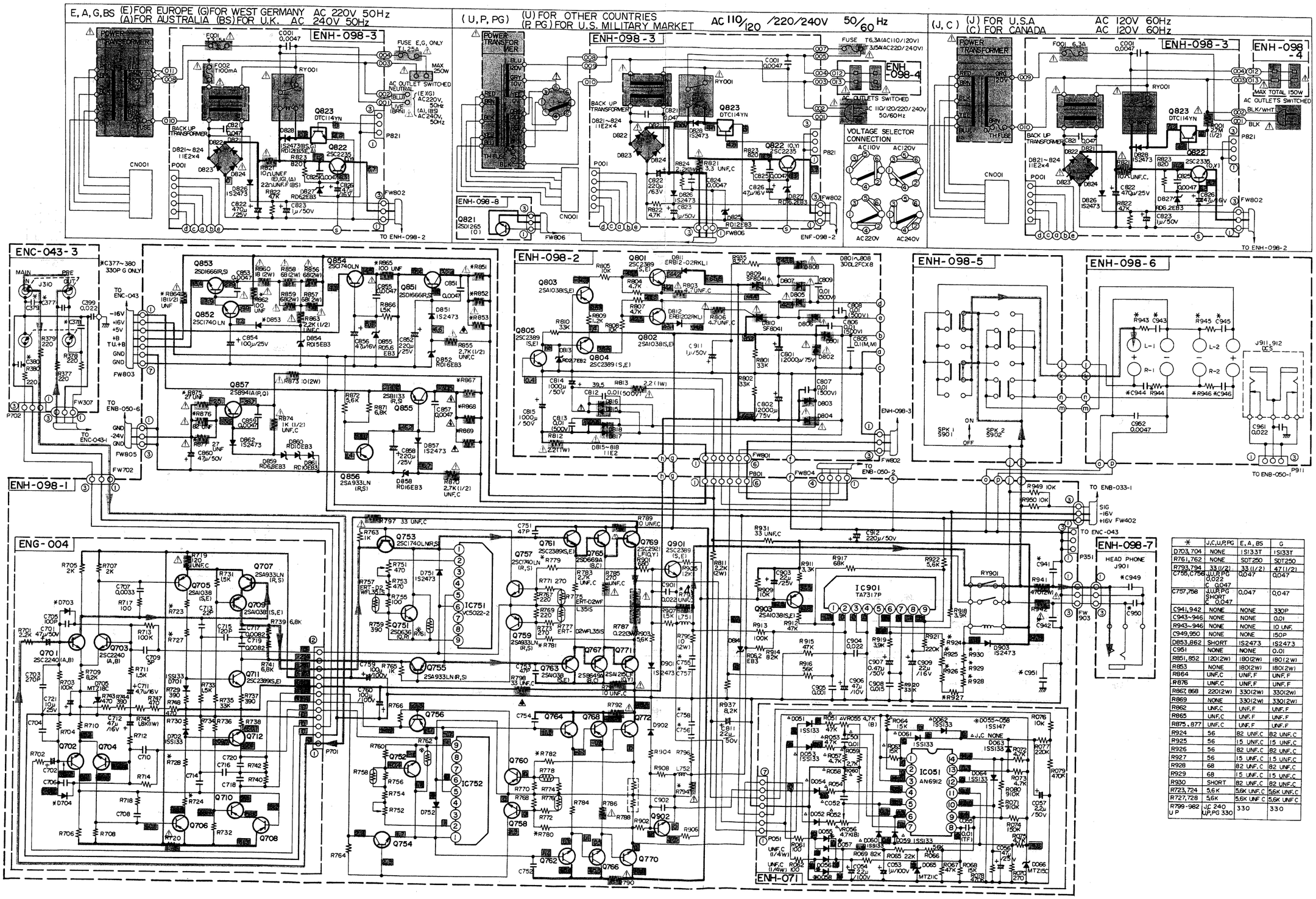
Pin No.	Symbol	Function
1	Vss	(-)Power Supply
2	L-OUT1	10dB Step Attenuator Output
3	L-IN 1	10dB Attenuator Input
4	A-GND	Ground (Power Supply)
5	L-IN 2	2dB Attenuator Input
6	L-OUT2	2dB Step Attenuator Output
7	ST	Strobe Input
8	GND	Ground
9	CK	Clock Input
10	DATA	Data Input
11	R-OUT2	2dB Step Attenuator Output
12	R-IN 2	2dB Attenuator Input
13	A-GND	Ground (Power Supply)
14	R-IN 1	10dB Attenuator Input
15	R-OUT1	10dB Step Attenuator Output
16	Vdd	(+)Power Supply

(3) Pre-Amplifier Section



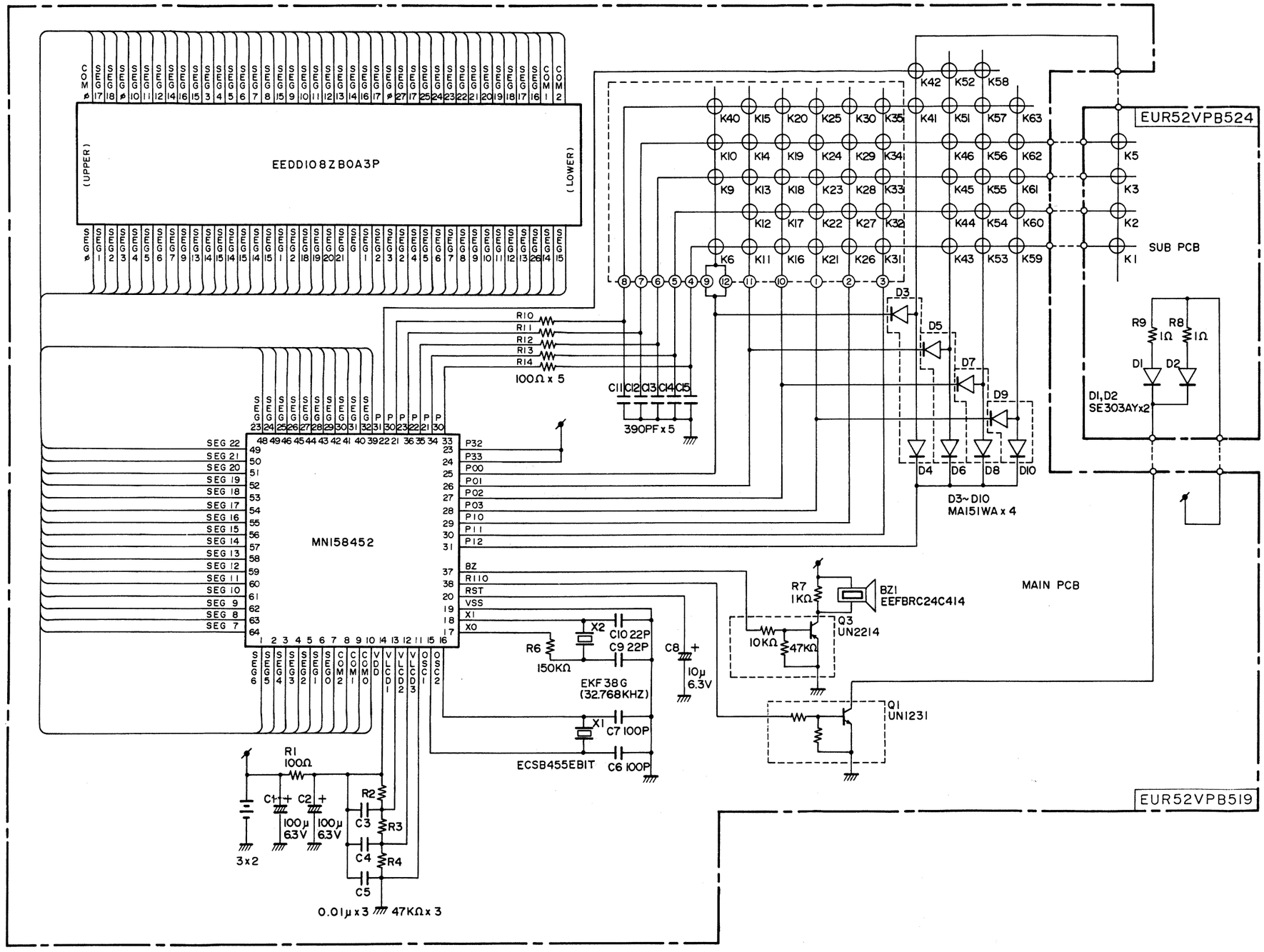
(No. 2992)

(4) Power Amplifier Section



*	J,C,U,P,PG	E, A, BS	G
D703, 704	NONE	1SI33T	1SI33T
R761, 762	NONE	SDT250	SDT250
R793, 794	33 (1/2)	33 (1/2)	47 (1/2)
C755, C758	U,P,PG 0.022 C 0.047	0.047	0.047
C757, 758	U,P,PG SHORT C 0.047	0.047	0.047
C941, 942	NONE	NONE	330P
C943~946	NONE	NONE	0.01
R943~946	NONE	NONE	10 UNF
C949, 950	NONE	NONE	150P
D853, 862	SHORT	1S2473	1S2473
C951	NONE	NONE	0.01
R851, 852	120(2W)	180(2W)	180(2W)
R853	NONE	180(2W)	180(2W)
R864	UNF.C	UNF.F	UNF.F
R876	UNF.C	UNF.F	UNF.F
R867, 868	220(2W)	330(2W)	330(2W)
R869	NONE	330(2W)	330(2W)
R862	UNF.C	UNF.F	UNF.F
R865	UNF.C	UNF.F	UNF.F
R875, 877	UNF.C	UNF.F	UNF.F
R924	56	82 UNF.C	82 UNF.C
R925	56	15 UNF.C	15 UNF.C
R926	56	82 UNF.C	82 UNF.C
R927	56	15 UNF.C	15 UNF.C
R928	68	82 UNF.C	82 UNF.C
R929	68	15 UNF.C	15 UNF.C
R930	SHORT	82 UNF.C	82 UNF.C
R723, 724	5.6K	5.6K UNF.C	5.6K UNF.C
R727, 728	5.6K	5.6K UNF.C	5.6K UNF.C
R799~982 U P	J,C 240 U,P,PG 330	330	330

Schematic Diagram of Remote-control (RM-SR950)



■ Key Location and Function

POWER				
K1 AUDIO A3,17	K2 TV 03,17	K3 VCR 43,0B		K5 REMOTE ON/OFF
			K9 SLP TIMER A3,03	K10 ASC EXPANDER A3,05
K11	K12	K13	K14	K15
K16	K17	K18	K19	K20
K21	K22	K23	K24	K25
K26	K27	K28	K29	K30
K31	K32	K33	K34	K35
				K40 SND SELECTOR A3,15

Refer to Key Function table.

CONTROL					
K41 TAPE1	K42 DAT	K43 CD	K44 VCR	K45 TV	K46 SEA

SOURCE				
K51 TAPE1 A3,3F	K52 FM A3,08	K53 CD A3,3D	K54 VCR A3,11:03,11	K55 VIDEO1/TV A3,10:43,10
K56 TAPE2 A3,07	K57 AM A3,09	K58 PHONO A3,3C	K59 AUX A3,3E	K60 VIDEO2 A3,12:03,11

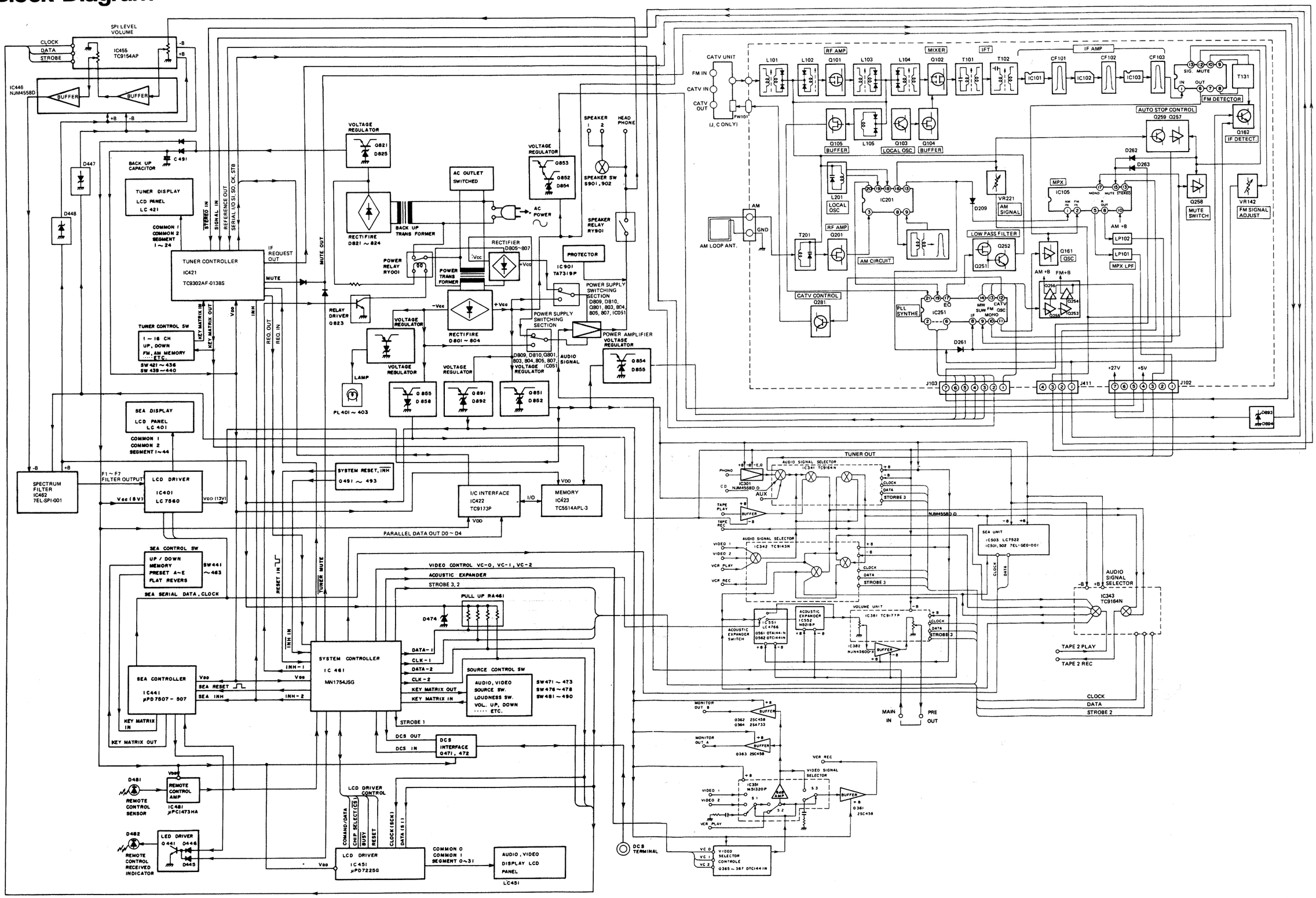
K61 MUTE A3,1C	K62 VOLUME – A3,1F	K63 VOLUME + A3,1E	

Key Function (RM-SR950)

Key No.	Key code	Function
K1	A3 , 17	Power ON / OFF for Receiver
K2	03 , 17	Power ON / OFF for TV
K3	43 , 0B	Power ON / OFF for VCR
K11	Different code with every mode	TV,VCR,FM,AM : channel preset 1, SEA : freq. preset 63Hz, CD : 10Key preset 1
K12		TV,VCR,FM,AM : channel preset 2, SEA : freq. preset 160Hz, CD : 10Key preset 2
K13		TV,VCR,FM,AM : channel preset 3, SEA : freq. preset 400Hz, CD : 10Key preset 3
K14		TV,VCR,FM,AM : channel preset 4, SEA : freq. preset 1kHz, CD : 10Key preset 4
K15		TV,VCR,FM,AM : channel preset 5, SEA : UP , CD : 10Key preset 5
K16		TV,VCR,FM,AM : channel preset 6, SEA : freq. preset 2.5kHz, CD : 10Key preset 6
K17		TV,VCR,FM,AM : channel preset 7, SEA : freq. preset 6.3kHz, CD : 10Key preset 7
K18		TV,VCR,FM,AM : channel preset 8, SEA : freq. preset 16kHz, CD : 10Key preset 8
K19		TV,VCR,FM,AM : channel preset 9, ----- ----- ----- ----- , CD : 10Key preset 9
K20		----- ----- ----- ----- , SEA : DOWN , CD : 10Key preset 10
K21		TV,VCR,FM,AM : channel preset 0, Switching SEA source with every pusu. CD : 10Key preset 0
K22		Calling the preset of SEA patterns with every push. CD : 10Key preset +10
K23	B3 , 6A (CD)	Memorizing the preset tune number.
	03 , 04 (TV)	Calling the display on television with every push.
K24	Different code with every mode	TV,VCR,FM,AM : channel DOWN
K25		TV,VCR,FM,AM : channel UP
		K26 to K35 appear in the following codes with every mode.
	(CD)	
K26	B3 , 4C	PLAY
K27	B3 , 43	STOP
K28	B3 , 4D	PAUSE
K29	B3 , 58	< SKIP
K30	B3 , 59	> SKIP
K31	B3 , 70	<< SEARCH
K33	B3 , 76	>> SEARCH
K34	B3 , 44	OPEN / CLOSE (Tray open / close)
K35	B3 , 6D	CLEAR (Clear the program.)
	(VCR)	
K26	43 , 0C	PLAY
K27	43 , 03	STOP
K28	43 , 0D	PAUSE
K31	43 , 07	<< (REW)
K32 (Double Key)	43 , CD	K32(REC)·K28(PAUSE) note : Efficiency only pre-pushed K32(REC).
	43 , CC	K32(REC)·K26(PLAY) note : Efficiency only pre-pushed K32(REC).
K33	43 , 06	>> (FF)

Key No.	Key code	Function
	(TAPE 1)	
K26	83 , 0C	PLAY
K27	83 , 03	STOP
K28	83 , 0D	PAUSE
K29	83 , 18	<< MUSIC SCAN
K30	83 , 19	>> MUSIC SCAN
K31	83 , 07	<< (REW)
K32 (Double Key)	83 , CD	K32(REC)·K28(PAUSE) note : Efficiency only pre-pushed K32(REC).
	83 , CC	K32(REC)·K26(PLAY) note : Efficiency only pre-pushed K32(REC).
K33	83 , 06	>> (FF)
K35	83 , 0B	DIRECTION
	(PHONO)	
K26	B3 , 0C	PLAYER START
K27	B3 , 03	STOP
	(DAT)	
K26	93 , 5C	PLAY
K27	93 , 53	STOP
K28	93 , 5D	PAUSE
K31	93 , 57	<< (REW)
K32 (Double Key)	93 , 8D	K32(REC)·K28(PAUSE) note : Efficiency only pre-pushed K32(REC).
	93 , 8C	K32(REC)·K26(PLAY) note : Efficiency only pre-pushed K32(REC).
K33	93 , 56	>> (FF)
K40	A3 , 15	SOUND SELECTOR : Swiching with every push.
K41	Mode preset only	TAPE 1
K42		DAT
K43		CD
K44		VCR
K45		TV
K46		SEA
K51	A3 , 3F	SOURCE : TAPE 1 → TAPE PLAY mode preset
K52	A3 , 08	SOURCE : FM mode preset
K53	A3 , 3D	SOURCE : CD → CD PLAY mode preset
K54	A3,11 / 03,11	SOURCE : VCR 1, AV TV : VIDEO 1 mode preset
K55	A3,10 / 43,10	SOURCE : TV, AV TV : Turning mode to internal tuner. VCR : Turning antenna selector switch to TUNER. mode preset
K56	A3 , 07	TAPE 2 : Switching with every push.
K57	A3 , 09	SOURCE : AM mode preset
K58	A3 , 3C	SOURCE : PHONO → PHONO PLAY
K59	A3 , 3E	SOURCE : AUX
K60	A3,12 / 03,11	SOURCE : VCR 2, AV TV : VIDEO 1
K61	A3 , 1C	MUTING : Switching with every push.
K62	A3 , 1F	VOLUME DOWN
K63	A3 , 1E	VOLUME UP

Block Diagram

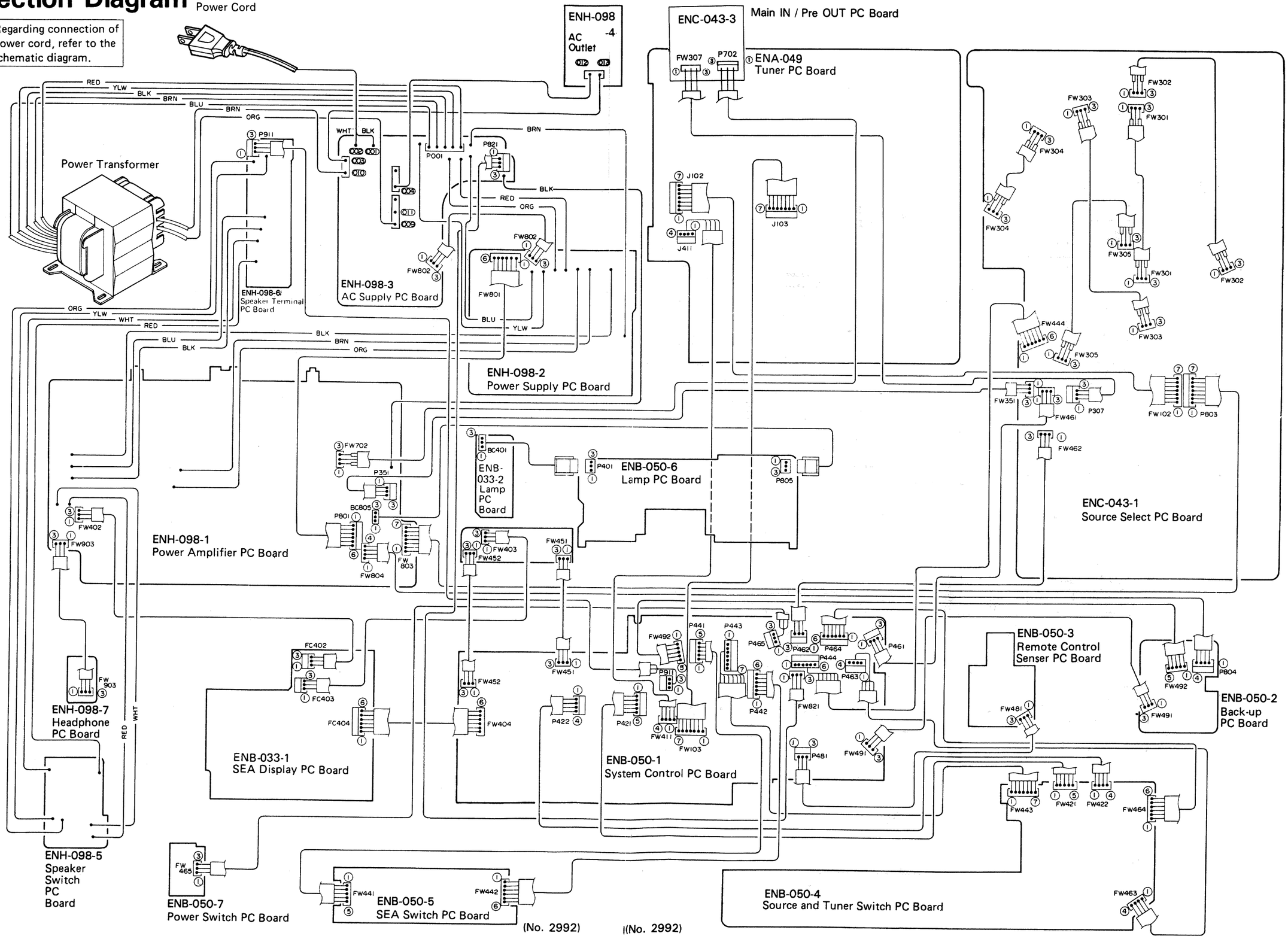


(No. 2992)

Connection Diagram

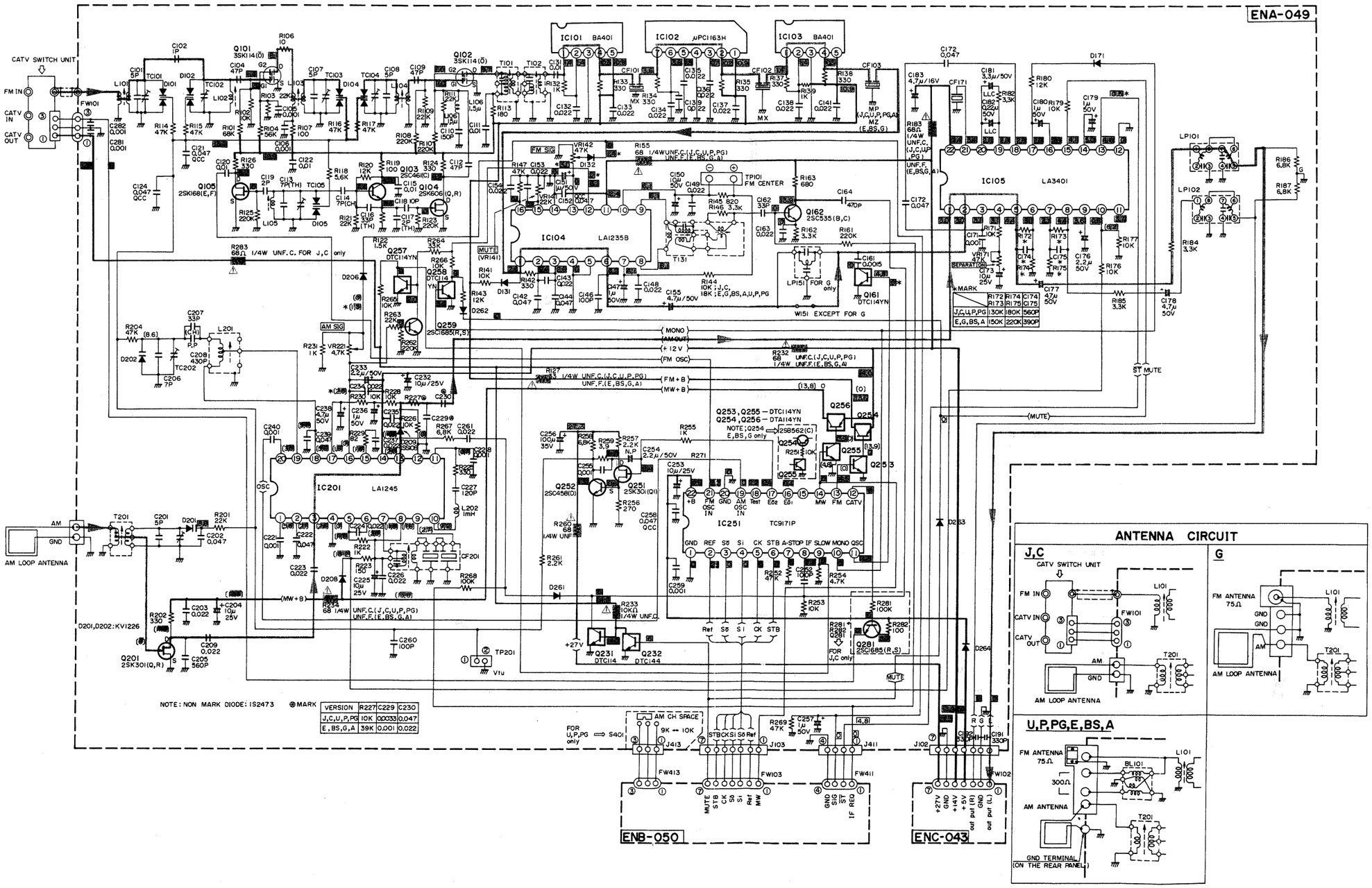
Power Cord

Note: Regarding connection of power cord, refer to the schematic diagram.



Schematic Diagram

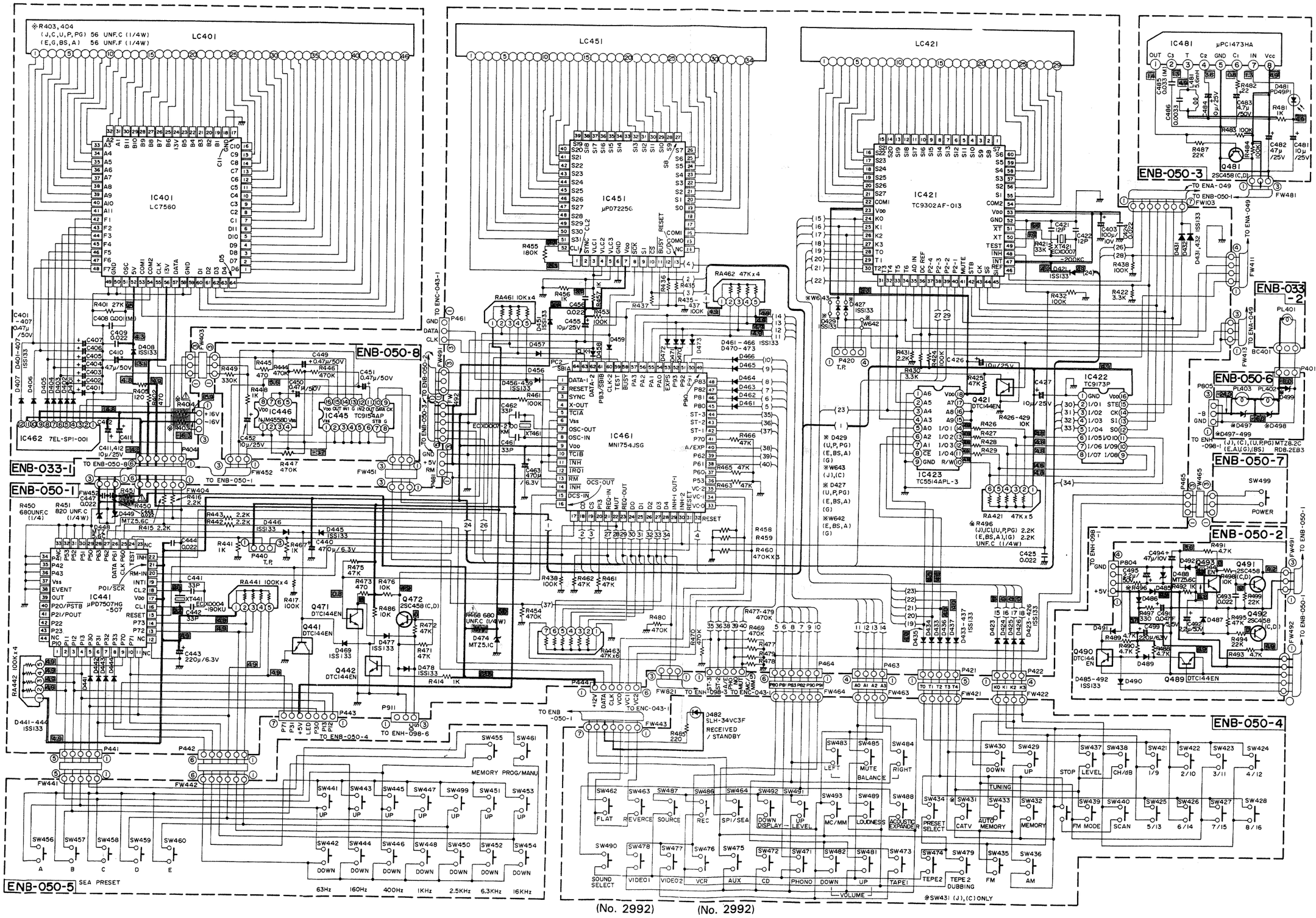
(1) Tuner Section



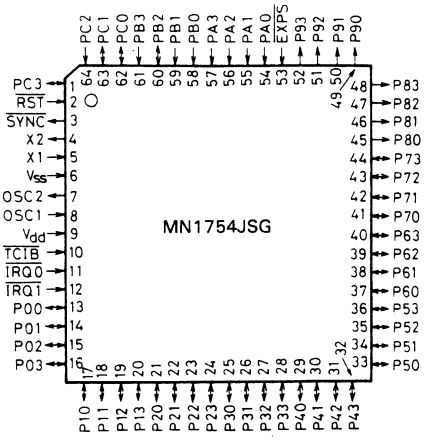
Notes:

1. ——— indicates ± B power supply.
2. ▬▬ indicates signal path.
3. ▬▬ /[▬▬] shows DC voltage to the chassis with no signal input.
   ▬▬ ...FM [▬▬] ...AM
4. When replacing the parts in the darkened area (▬▬) and those marked with ⚠, be sure to use the designated parts to ensure safety.
5. This is the standard circuit diagram.
   The design and contents are subject to change without notice.

(2) Logic Section



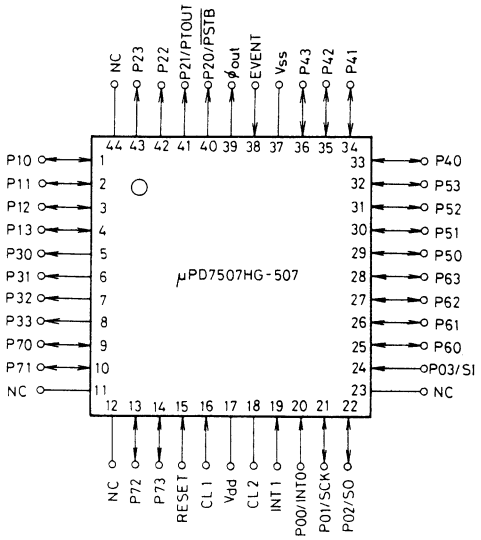
IC461: MN1754JSG


MN1754JSG
PC2 PC1 PC0 PB3 PB2 PB1 PB0 PA3 PA2 PA1 PA0 EXPS P93 P92 P91 P90
PC3 RST SYNC X2 X1 Vss OSC2 OSC1 Vdd TCIB IRQ0 IRQ1 P00 P01 P02 P03
P83 P82 P81 P80 P73 P72 P71 P70 P63 P62 P61 P60 P53 P52 P51 P50
P10 P11 P12 P13 P20 P21 P22 P23 P30 P31 P32 P33 P40 P41 P42 P43

IC461: NM1754JSG

Pin No.	Symbol	Name	I/O	Terminal Function
1	PC3	DATA1	O	Serial data out;Connect to DATA terminal of TC9164N, TC9163N,TC9177P.
2	$\overline{RST}$	$\overline{RESET}$	I	RESET signal input
3~5	---	---	---	Not use.
6	Vss	Vss	---	GND
7	OSC2	OSC OUT	O	Connect the Ceramic Oscillator.
8	OSC1	OSC IN	I	Connect the Ceramic Oscillator.
9	Vdd	Vdd	---	+5V
10	$\overline{TCIB}$	$\overline{TCIB}$	---	Not use.(GND)
11	$\overline{IRQ0}$	$\overline{INH}$ in	I	$\overline{INH}$ signal input
12	$\overline{IRQ1}$	$\overline{IRQ1}$	---	Not use.(GND)
13	P00	$\overline{RM}$ in	I	Remote control signal input
14	P01	$\overline{INH}$ in	I	$\overline{INH}$ signal input
15	P02	$\overline{DCS}$ in	I	DCS signal input
16	P03	$\overline{DCS}$ out	O	DCS signal output
17	P10	RM IND out	O	"H" output when Remote control signal input.
18	P11	LCD C/D	O	Connect the C/D terminal of μPD7225G.
19	P12	LCD $\overline{CD}$	O	Connect the $\overline{CD}$ terminal of μPD7225G.
20	---	---	---	Not use.(pull down)
21	P20	REQ-IN	I	Connect the DATA REQUEST OUT terminal of TC9302AF-013BS.
22	P21	MUT	O	"L" output when TUNER Source selected.
23	P22	REQ-OUT	O	Connect the DATA REQUEST IN terminal of TC9302AF-013BS.
24~29	P23~P33	D0~D4	O	Parallel DATA output to control TC9302AF-013BS (D0:LSB,D4:MSB)
29	P40	INH out1	O	"H" output when power "ON".
30	P41	INH out2	O	Connect the $\overline{INH}$ terminal of μPD7507HG-507,TC9302AF-013BS.
31	P42	RESET	O	Connect the RESET terminal of μPD7507HG-507.
32	P43	RESET	O	Connect the RESET terminal of μPD7225G.
33	P50	VC 0	O	"H" output when VIDEO 1 selected.
34	P51	VC 1	O	"H" output when VIDEO 2 selected.
35	P52	VC 2	O	"H" output when VCR selected.
36	P53	---	---	Not use.(pull down)
37	P60	---	---	Not use.(pull down)
38	P61	---	---	Not use.(pull down)
39	P62	---	---	Not use.(pull down)
40	P63	A-EXP	O	"H" output when Acoustic Expander ON.
41	---	---	---	Not use.(pull down)
42	P71	ST-1	O	Connect the strobe terminal of TC9154AP.
43	P72	ST-2	O	Connect the strobe terminal of TC9164N(IC343).
44	P73	ST-3	O	Connect the strobe terminal of TC9164N(IC341),TC9163N,TC9177P.
45~52	---	---	O	Key output;Composed the key matrix with PA0 → PA3.
53	$\overline{EXPS}$	$\overline{EXPS}$	---	Not use.(open)
54~57	---	---	I	Key input
58	PB0	$\overline{BUSY}$	I/O	Connect the $\overline{BUSY}$ terminal of μPD7225G.
59	PB1	TEST	O	Volume UP/DOWN test mode
60	PB2	CLK2	O	Serial clock out;Connect the SCK terminal of μPD7225G and CK terminal of TC9154AP.
61	PB3	PB3	---	Not use.(GND)
62	PC0	DATA2	---	Serial DATA out;Connect the $\overline{ST}$ terminal of μPD7225G and DATA terminal of TC9154AP.
63	PC1	CLK1	---	Serial CLOCK out;Connect the CLK terminal of TC9164N, TC9163N,TC9177P.
64	PC2	PC2	---	Not use.(GND)

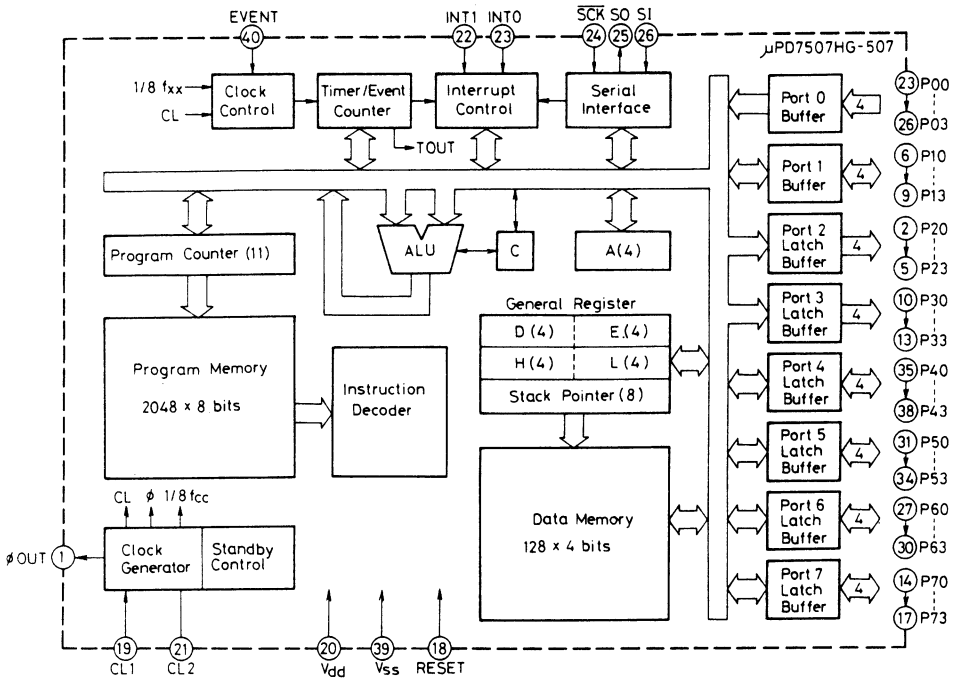
IC441: μPD7507HG-507



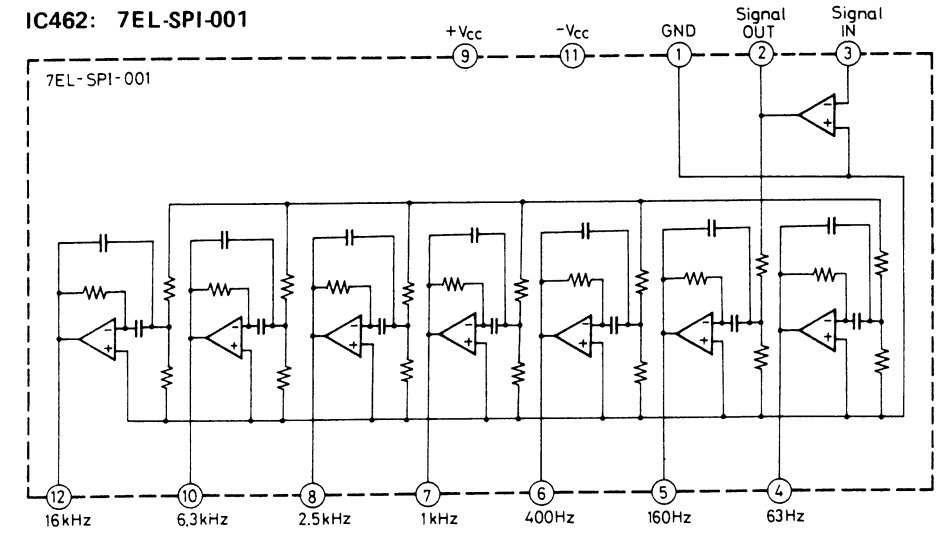
IC441: μPD7507HG-507

Pin No.	Symbol	Name	I/O	Terminal Function
1	P10	P10	I	Key input;Composed the key matrix with P30 → P33.
2	P11	P11	I	Key input;Composed the key matrix with P30 → P33.
3	P12	P12	I	Key input;Composed the key matrix with P30 → P33.
4	P13	P13	I	Key input;Composed the key matrix with P30 → P33.
5	P30	P30	O	Key output
6	P31	P31	O	Key output
7	P32	P32	O	Key output
8	P33	P33	O	Key output
9	P70	P70	I	Key input;Composed the key matrix with P30 → P33.
10	P71	P71	I	Key input;Composed the key matrix with P30 → P33.
11	NC	NC	---	Non connection
12	NC	NC	---	Non connection
13	P72	P72	I	Key input;Composed the key matrix with P30 → P33.
14	P73	P73	I	Key input;Composed the key matrix with P30 → P33.
15	RESET	RESET	I	Connect the RESET of MN1758JSI.
16	CL1	X'tal in	I	Connect the ceramic oscillator.
17	Vdd	Vdd	---	+5V
18	CL2	X'tal out	O	Connect the ceramic oscillator.
19	INT1	INT1	---	Not use.(GND)
20	P00/INT1	RM IN	I	Remote control signal input
21	P01/SCK	P01/SCK	---	Not use.(Vdd)
22	P02/SO	INH	I	Connect the INH2 of MN1758JSI.
23	NC	NC	---	Non connection.
24	P03/SI	TEST	I	SEA volume UP/DOWN test mode
25	P60	CLK	O	Serial CLOCK OUT
26	P61	DATA	O	Serial DATA OUT
27	P62	RM IND	O	"H" output when remote control signal received.
28	P63	P63	---	Not use.(open)
29	P50	P50	---	Not use.(GND)
30	P51	P51	---	Not use.(GND)
31	P52	P52	---	Not use.(GND)
32	P53	P53	---	Not use.(GND)
33	P40	P40	---	Not use.(GND)
34	P41	P41	---	Not use.(GND)
35	P42	P42	---	Not use.(GND)
36	P43	P43	---	Not use.(GND)
37	Vss	Vss	---	GND
38	EVENT	EVENT	---	Not use.(GND)
39	φ OUT	φ OUT	---	Not use.(open)
40	P20	P20	---	Not use.(open)
41	P21	P21	---	Not use.(open)
42	P22	P22	---	Not use.(open)
43	P23	P23	---	Not use.(open)
44	NC	NC	---	Non connect.

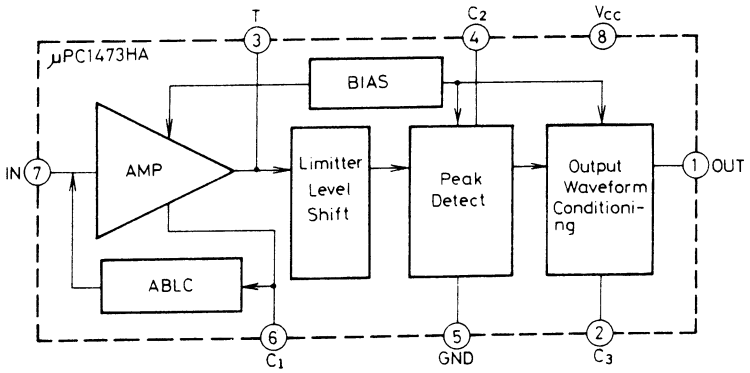
IC441: μPD7507HG-507



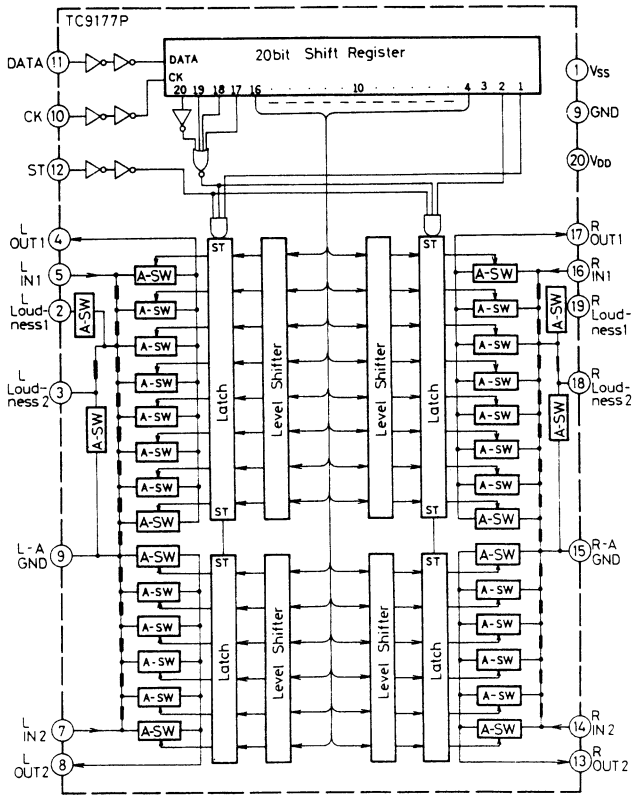
IC462: 7EL-SPI-001



IC481: μPC1473HA



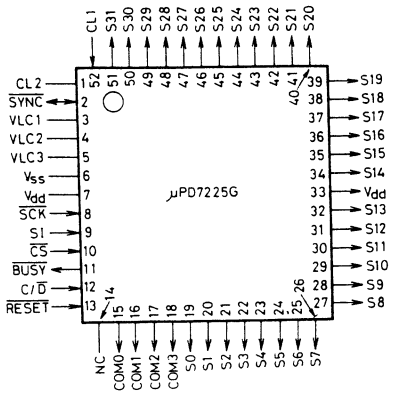
IC381: TC9177P



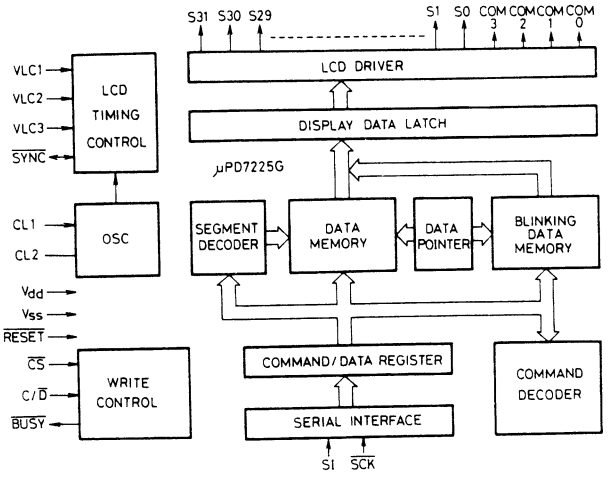
IC381: TC9177P

Pin No.	Symbol	Function
1	Vss	(-)Power Supply
2	L-Loudness1	Terminal for Loudness (L-ch)
3	L-Loudness2	Terminal for Loudness (L-ch)
4	L-OUT1	10dB Step Attenuator Output
5	L-IN 1	10dB Attenuator Input
6	A GND	Ground (Power Supply)
7	L-IN 2	2dB Attenuator Input
8	L-OUT2	2dB Step Attenuator Output
9	GND	Ground (Signal)
10	CK	Clock Input
11	DATA	Data Input
12	ST	Strobe Input
13	R-OUT2	2dB Step Attenuator Output
14	R-IN 2	2dB Attenuator Input
15	A-GND	Ground (Power Supply)
16	R-IN 1	10dB Attenuator Input
17	R-OUT1	10dB Step Attenuator Output
18	R-Loudness2	Terminal for Loudness (R-ch)
19	R-Loudness1	Terminal for Loudness (R-ch)
20	Vdd	(+)Power Supply

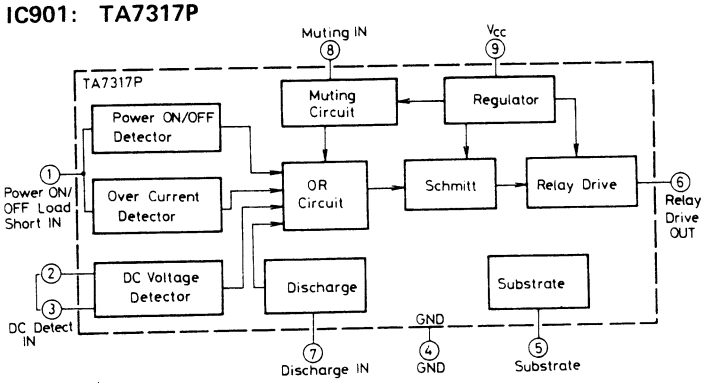
IC451: μPD7225G



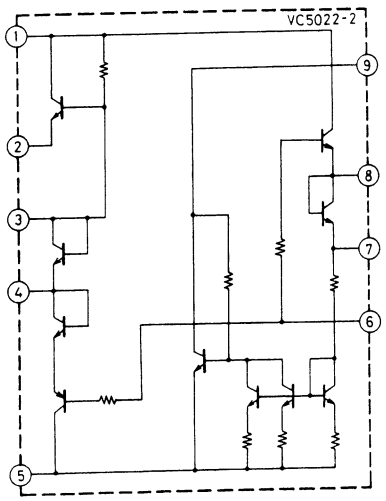
IC451: μPD7225G



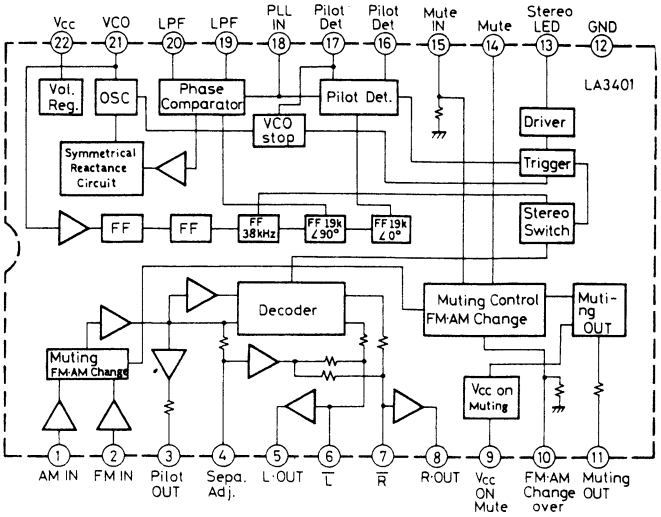
IC901: TA7317P



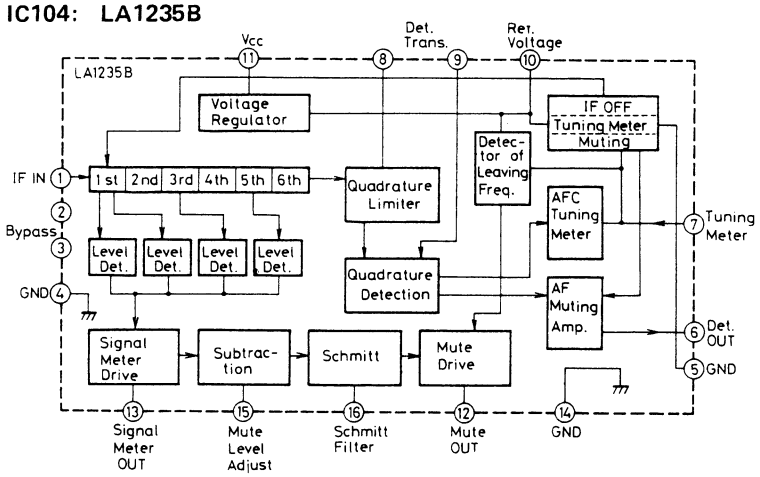
IC751, IC752: VC5022-2



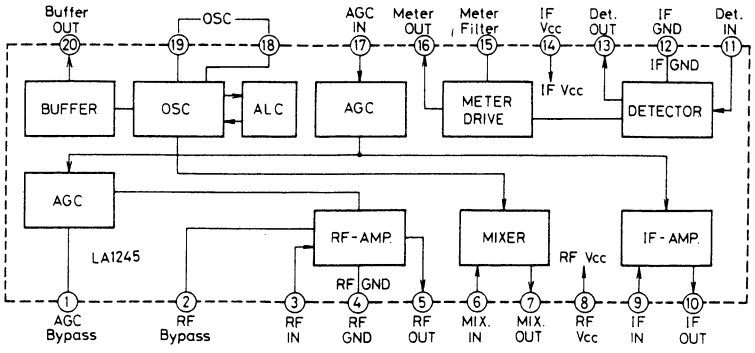
IC105: LA3401



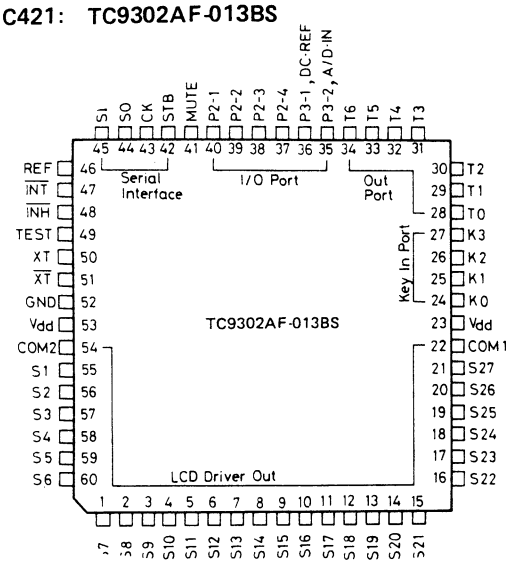
IC104: LA1235B



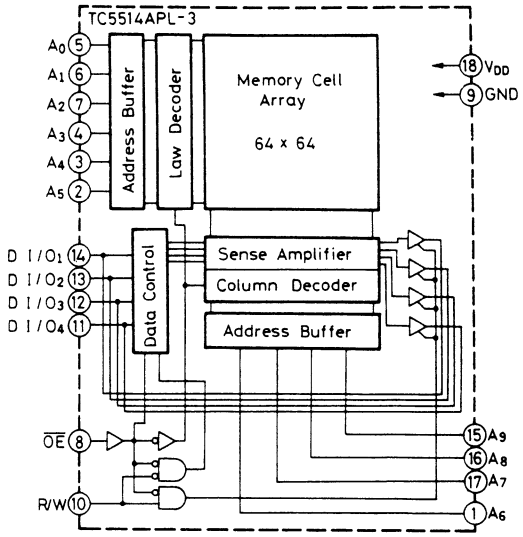
IC201: LA1245



IC421: TC9302AF-013BS



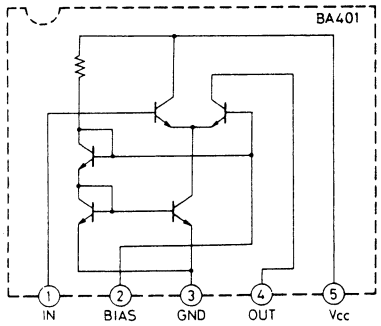
IC423: TC5514APL-3



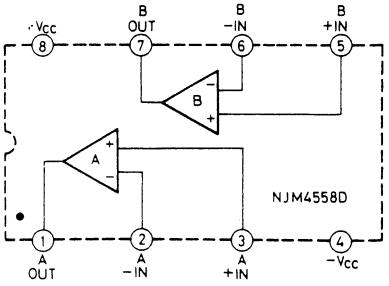
IC421: TC9302AF-013BS

Pin No.	Symbol	Terminal Function
1~21	S7 ~ S27	Segment Out to "LCD"
22	COM 1	Common Out to "LCD"
23	V dd	Power Supply
24~27	K0 ~ K3	Input Port for Key matrix
28~34	T0 ~ T6	Key Timing Output Port
35	P3-2 , A/D·IN	I/O Port3 , A/D Input , Signal Meter Input
36	P3-1 , DC·REF	I/O Port3 , A/D Reference Voltage Input
37	P2-4	Stereo Indicator Input ("L" Level)
38	P2-3	DATA Request Input
39	P2-2	DATA Request Output
40	P2-1	IF Count Request Output ("H" Level)
41	MUTE	Muting Signal Output Port
42	STB	Strobe Pulse Output
43	CK	Serial Clock Output
44	SO	Serial Data Output
45	SI	Serial Data Input
46	REF	PLL Reference Frequency Output
47	$\overline{INT}$	Initialize Input
48	$\overline{INH}$	Inhibit Input
49	TEST	Test Mode Control Input
50	XT	X'tal Oscillator
51	$\overline{XT}$	X'tal Oscillator
52	GND	Ground
53	V dd	Power Supply
54	COM 2	Common Out to "LCD"
55~60	S1~S6	Segment Out to "LCD"

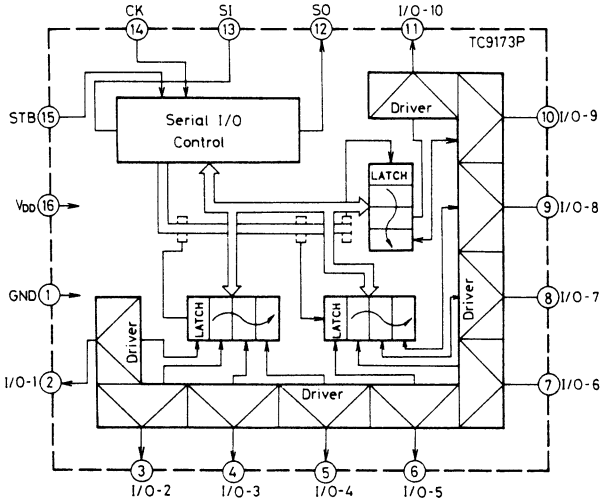
IC101, IC103: BA401



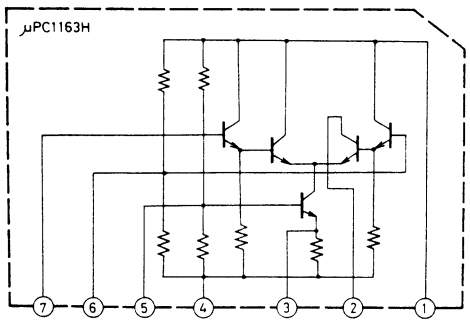
IC446: NJM4558D



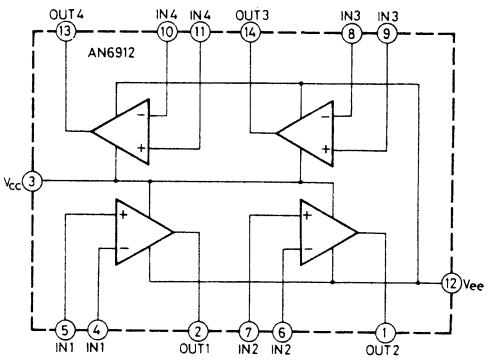
IC422: TC9173P



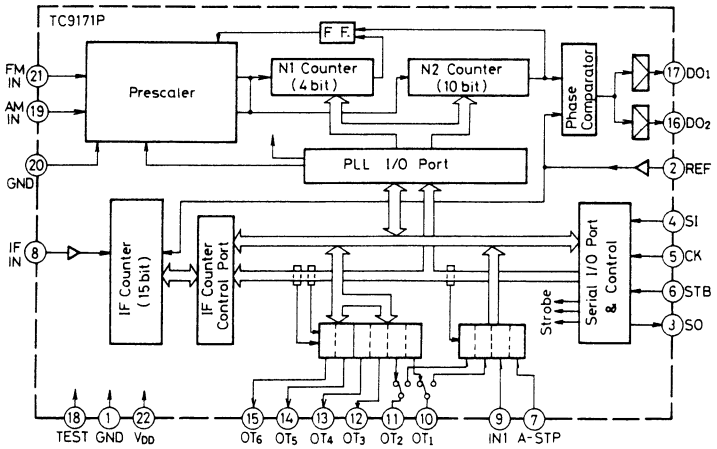
IC102: μPC1163H



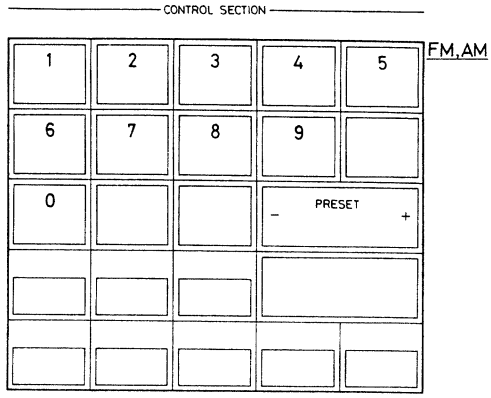
IC051: AN6912



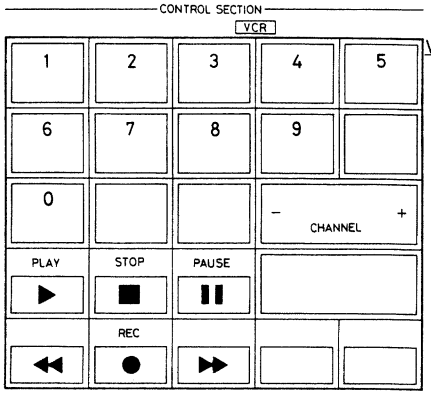
IC251: TC9171P



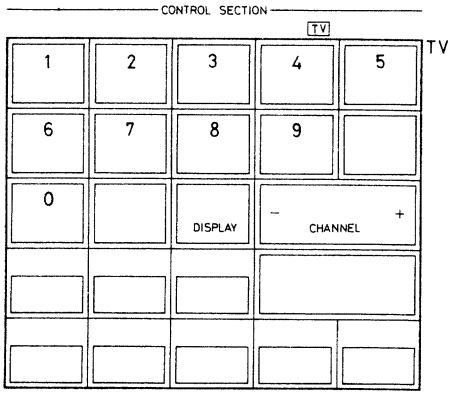
Selectable Pattern of LCD (RM-SR950)



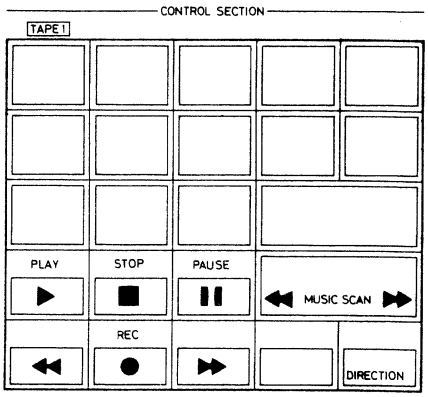
FM,AM



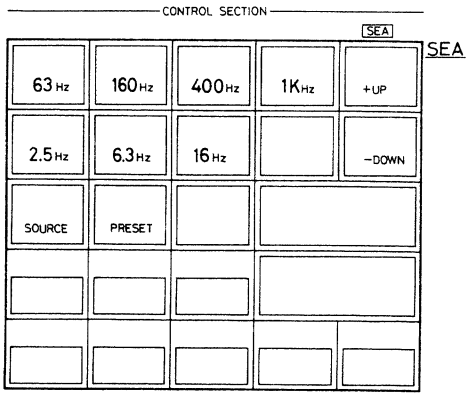
VCR



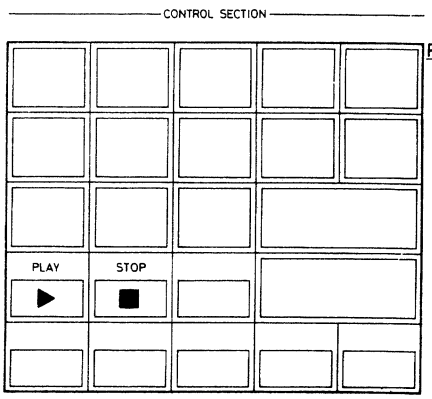
TV



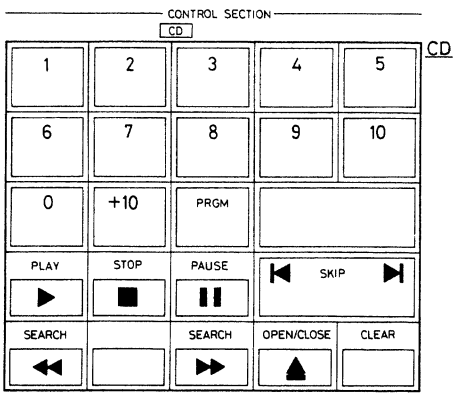
TAPE 1



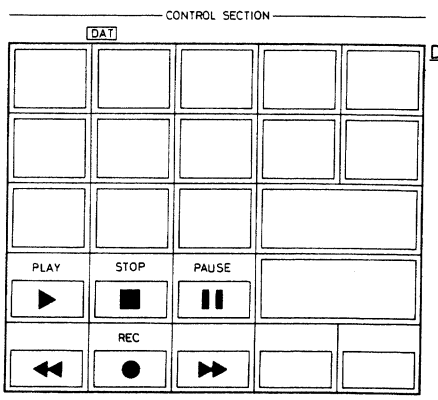
SEA



PHONO



CD

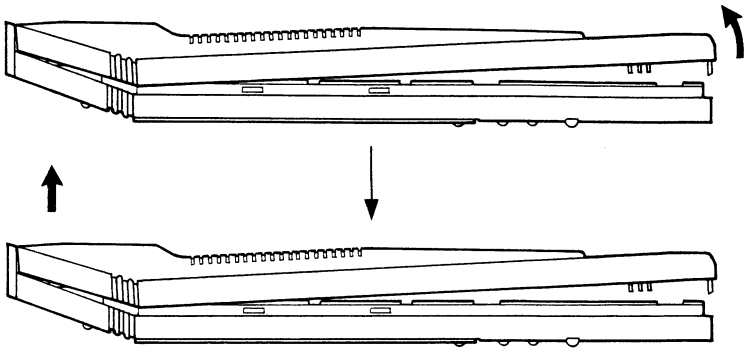


DAT

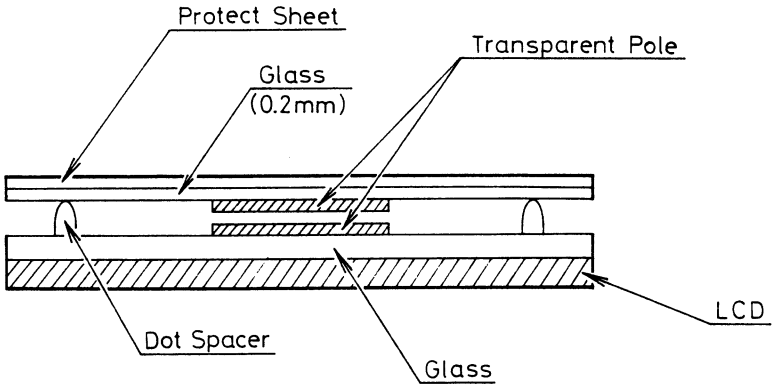
Remote-control (RM-SR950)

■ Removal Procedures

1. Demount the bottom cover by removing six screws from the bottom.
2. First, pull up the bottom cover on rear side.
3. Next, pull up the bottom cover on front side.



■ Construction of Transparent Touch Panel



■ Treating Precaution

The remote control display surface is covered with a glass 0.2mm in thickness. Because of this, care should be taken in order not hit the remote control unit with a hard object, drop the unit or allow any other kind of shocks. Shocks to the unit will result in cracking or breaking the glass on the surface.

■ Servicing Precautions

1. Do not attempt to place batteries in the unit with the bottom cover off. This will result in the ⊖ negative spring touching the ⊕ board and will short out the batteries.

2. If there is something wrong with the unit display or operations, the microcomputer may be malfunctioning. When this happens, remove the batteries and set the unit aside for about 1 minute.
   During this time, the microcomputer will be reset and after this, the batteries should be replaced and the unit test for proper operation.

■ Parts List (RM-SR950)

Part Number	Part Name	Description	Q'ty
EUR52CS534	Upper Case		1
EUR52CS535	Bottom Case		1
EUR64EC121H	Battery Cover		1
EUR52CT536	Rubber Contact(1)	19 Key	1
EUR52CT537	Rubber Contact(2)	4 Key	1
EUR52SB538	Smoked Plate		1
EUR52TD355	Contact Spring	(+), (-)	1
EUR52SS539	Frame Spacer		1
SDSF2608M	Tapping Screw	for Bottom Case	6
SDSF2606M	Tapping Screw	for PC Board	8
EUR52VPB519	Main PC Board Ass'y		1set
EEDD108ZB0A3P	L.C.Display		1
EEMU609	Display Toutch Panel		1
EUR52TD359	Battery Contact (+)		1
EUR52TD360	Battery Spring (-)		1
MN158452ESH	Microcomputer	IC1	1
UN1231	Transistor	Q1	1
UN2214	Transistor	Q3	1
MA151WATW	Diode (Twin)	D3,4 / D5,6 / D7,8 / D9,10	4
ECSB455ET2T	Ceramic Oscillator	X1	1
EKF38G	X'tal Oscillator	X2	1
EEFBRC24C414	Piezoelectric Buzzer	BZ1	1
QETB0JM-107	Electrolytic Capacitor	C1,C2 (100μ/6.3V)	2
NCB21HK-103	Tip Ceramic Capacitor	C3,C4,C5 (0.01μF)	3
NCS21HJ-101	Tip Ceramic Capacitor	C6,C7 (100pF)	2
QETB0JM-106	Electrolytic Capacitor	C8 (10μ/6.3V)	1
NCS21HJ-220	Tip Ceramic Capacitor	C9,C10 (22pF)	2
NCS21HJ-391	Tip Ceramic Capacitor	C11～C15 (390pF)	5
NRVA62D-101	Tip Resistor	R1,R10～R14 (100Ω)	6
NRVA62D-473	Tip Resistor	R2,R3,R4 (47kΩ)	3
NRVA62D-154	Tip Resistor	R6 (150kΩ)	1
NRVA62D-102	Tip Resistor	R7 (1kΩ)	1
EUR52VPB524	Sub PC Board Ass'y		1set
SE303AY	LED (Infrared ray)	D1,D2	2
QRD161J-1R0	Carbon Resistor	R8,R9 (1Ω)	2

PARTS LIST

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- ENC-043 ☐ Pre-Amplifier PC Board Ass'y 2-12
- ENB-050 ☐ Logic PC Board Ass'y 2-15
- ENA-049 ☐ Tuner PC Board Ass'y 2-18
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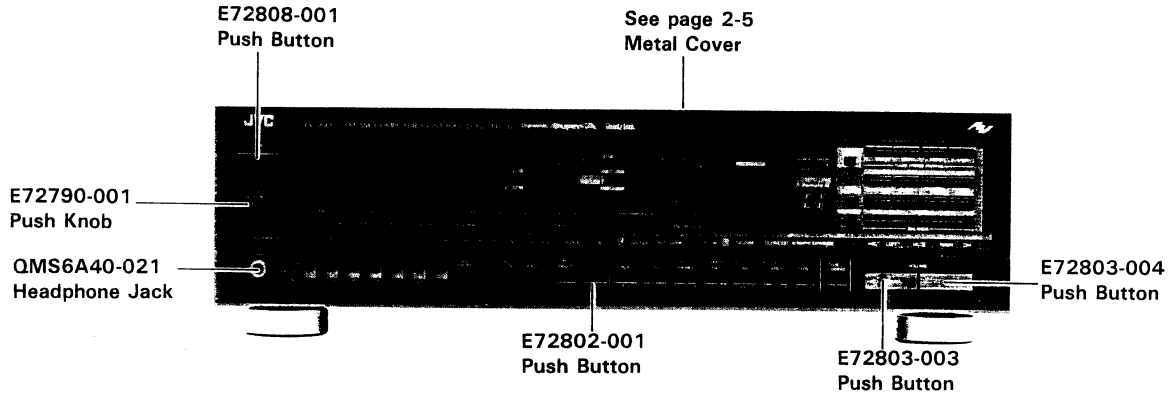
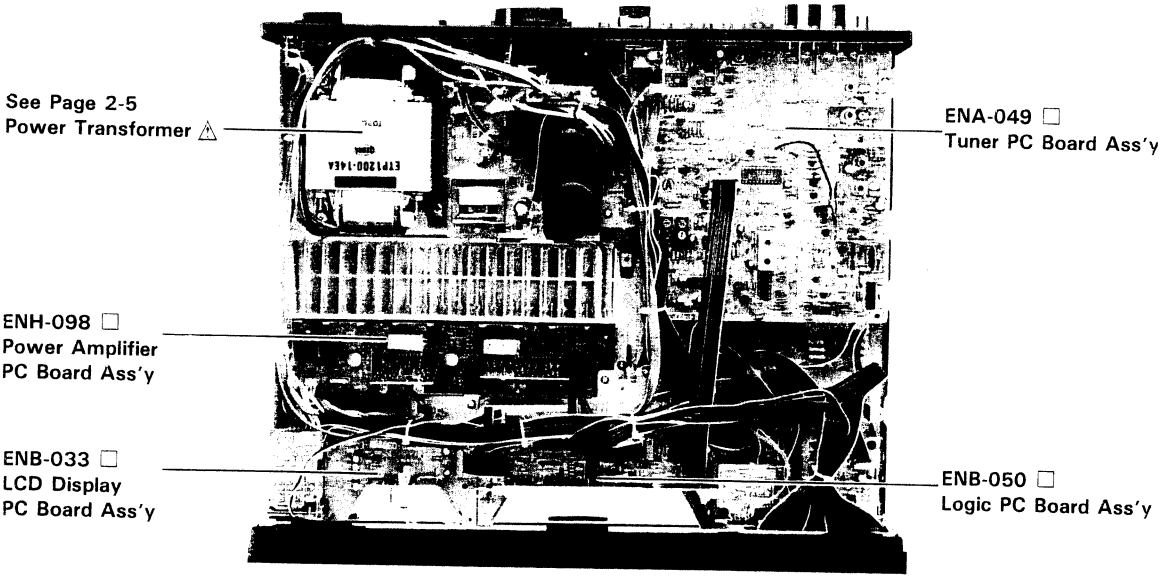
Main Parts Locations

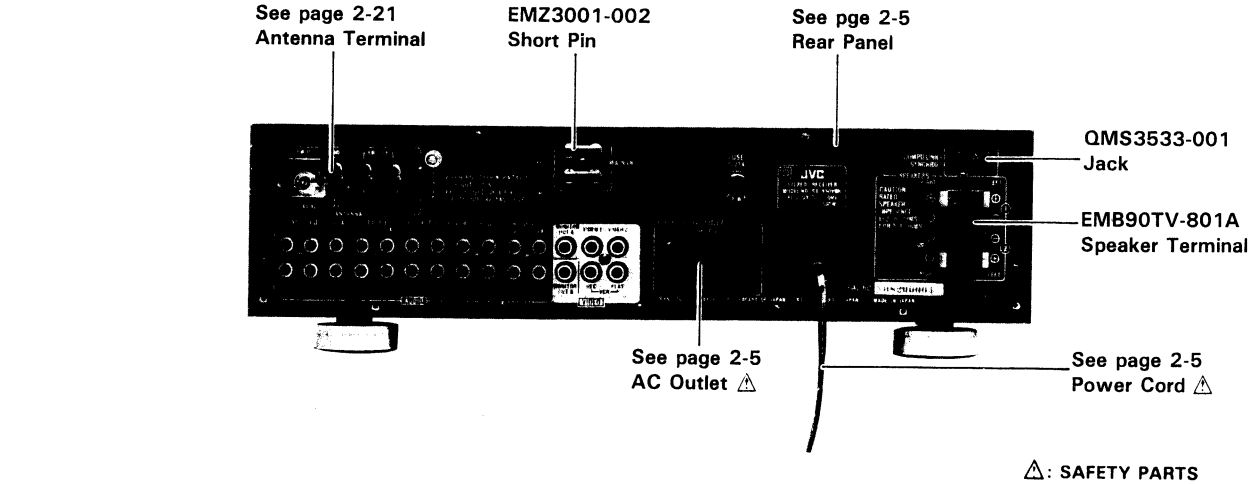
■ Front View



■ Top View



■ Rear View



⚠: SAFETY PARTS

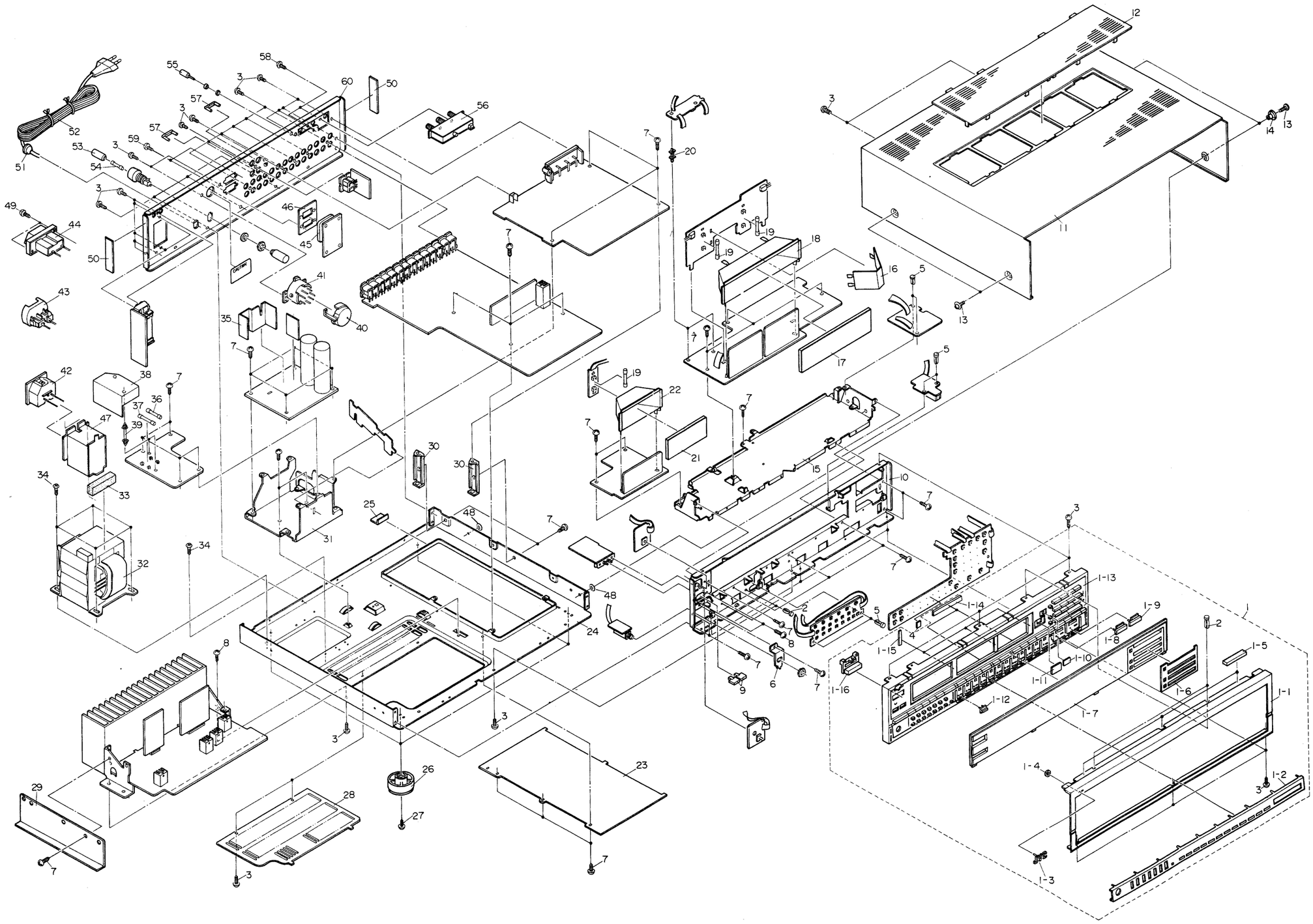
⚠	Item No.	Part Number	Part Name	Q'ty	Description	Area
	34	E65389-004	Screw	5		
	35	E73210-001	Sheet	1		
⚠	36	QMF51U1-6R3	Fuse	1		J,C
⚠		QMF51A2-3R15S	Fuse	1		E,G,A
⚠		QMF51E2-3R15SBS	Fuse	1		BS
⚠	37	QMF51A2-R10S	Fuse	1		E,G,A
⚠		QMF51E2-R10SBS	Fuse	1		BS
	38	E304174-001	Primary Cover	1		E,A,G,BS
	39	E302321-001	Fastener	2		E,A,G,BS
	40	E302764-001	Voltage Selector Cover	1		U,P,PG
⚠	41	QSR0085-008U	Voltage Selector	1		U,P,PG
⚠	42	EMC0232-001BS	AC Outlet	1		BS
⚠	43	EMC0233-001	AC Outlet	1		A
⚠	44	QMC0240-002	AC Outlet	1		E,G
⚠	45	QMC0440-001	AC Outlet	1		J,C
⚠		QMC0437-002	AC Outlet	1		U,P,PG
	46	E69589-008	Spacer	1		J
	47	E73209-001	Outlet Cover	1		BS
	48	E69559-009	Spacer	2	Chassis Base	Except G
	49	SBSB3016M	Screw	2		
	50	EX0085010R10S	Spacer	2		
⚠	51	QHS3876-162	Cord Stopper	1		Except BS
⚠		QHS3876-162BS	Cord Stopper	1		BS
⚠	52	QMP1480-200	Power Cord	1		J,C
⚠		QMP7600-200	Power Cord	1		U,P,PG
⚠		QMP3900-200	Power Cord	1		E
⚠		QMP2560-244	Power Cord	1		A
⚠		QMP39A0-200	Power Cord	1		G
⚠		QMP9017-008BS	Power Cord	1		BS
	53	QMG0301-003	Fuse Holder	1		U,P,PG,E,G
⚠	54	QMF51A2-3R15S	Fuse	1		U,PG
⚠		QMF51A2-6R3S	Fuse	1		P
⚠		QMF51A2-1R25S	Fuse	1		E,G
	55	E70078-001	GND.Terminal	1		
	56	ENZ1009-001	CATV Unit	1		J,C
	57	EMZ3001-002	Short Pin	2		
	58	SBST3006M	Screw	2		
	59	SDSB3008M	Screw	2		
	60	E11256-041	Rear Panel	1		J,C
		E11256-042	Rear Panel	1		U,P,PG
		E11256-043	Rear Panel	1		E
		E11256-044	Rear Panel	1		G
		E11256-045	Rear Panel	1		A
		E11256-048	Rear Panel	1		BS

⚠: SAFETY PARTS

The Marks for Designated Areas.

J ..... U.S.A.
C ..... Canada
A ..... Australia
E ..... Europe
G ..... West Germany
BS ..... U.K.
P, PG ..... U.S. Military Market
U ..... Other Countries
No mark indicates all areas.

Exploded View and Parts List



⚠	Item No.	Part Number	Part Name	Q'ty	Description	Area
	1	EFP-RX950VBKE	Front Panel Ass'y	1		Except J,C
		EFP-RX950BKJ	Front Panel Ass'y	1		J,C
	1-1	E25257-010	Front Panel	1		
	1-2	E25261-003	Front Plate	1		
	1-3	E72968-001	JVC Mark	1		
	1-4	E60912-003	Speed Nut	1		
	1-5	EX0040007N40S	Spacer	3		
	1-6	E72805-009	Plate	1		J,C
		E72805-010	Plate	1		Except J,C
	1-7	E25259-007	Window Screen	1		
	1-8	E72803-003	Push Button	1	DOWN	
	1-9	E72803-004	Push Button	1	UP	
	1-10	E72437-002	Sheet	1		
	1-11	E72436-002	Screen	1		
	1-12	E72802-001	Push Button	12		
	1-13	E25327-028	Front Base Ass'y	1		Except J,C
		E25327-029	Front Base Ass'y	1		J,C
	1-14	EX0074003N20S02	Felt Spacer	2		
	1-15	EX0040004N20S02	Felt Spacer	3		
	1-16	E72808-001	Push Button	1		
	2	E48729-009	Plastic Rivet	4		
	3	SBSE3008M	Screw	36		
	4	EX0016008R05S10	Spacer	1		
	5	E48729-008	Plastic Rivet	6		
	6	E72858-001	H.P.Bracket	1		
	7	SBSE3008CC	Screw	35		
	8	SBST3006CC	Screw	5		
	9	E72790-001	Push Knob	2		
	10	E11242-002	Front Bracket	1		
	11	E25266-003	Metal Cover	1		Except E,BS
		E25267-003	Metal Cover	1		E,BS
	12	E25862-005	Grill	1		E,BS
	13	E61660-005	Screw	4		
	14	E69591-001	Spacer	2		Except G
	15	E25263-002	LCD Bracket	1		
	16	E72813-001	Reflector	1		
	17	E304195-001	Sheet	1		
	18	E304103-001	Lamp Holder	1		
⚠	19	ELP4101-8200A	Fuse Lamp	3		
	20	E300796-001	Fastener	2		
	21	E73005-002	Sheet	1		
	22	E303283-001	Lamp Holder	1		
	23	E302294-001	Bottom Cover	1		
	24	E11241-001	Chassis Base	1		
	25	EX0030020H03S04	Spacer	1		
	26	E73346-003	Foot Ass'y	4		
	27	SBST3012Z	Screw	4		
	28	E302295-004	Bottom Cover	1		
	29	E304280-001	Sheet	1		
	30	E71278-002	C.B.Holder	2		
	31	E304102-001	C.B.Holder	1		
⚠	32	ETP1200-14JA	Power Transformer	1		J,C
⚠		ETP1200-14FA	Power Transformer	1		U,P,PG
⚠		ETP1200-14EA	Power Transformer	1		E,A,G
⚠		ETP1200-14EABS	Power Transformer	1		BS
	33	EX0040007N50S	Spacer	1		

⚠	Item No.	Part Number	Part Name	Q'ty	Description	Area
	34	E65389-004	Screw	5		
	35	E73210-001	Sheet	1		
⚠	36	QMF51U1-6R3	Fuse	1		J,C
⚠		QMF51A2-3R15S	Fuse	1		E,G,A
⚠		QMF51E2-3R15SBS	Fuse	1		BS
⚠	37	QMF51A2-R10S	Fuse	1		E,G,A
⚠		QMF51E2-R10SBS	Fuse	1		BS
	38	E304174-001	Primary Cover	1		E,A,G,BS
	39	E302321-001	Fastener	2		E,A,G,BS
	40	E302764-001	Voltage Selector Cover	1		U,P,PG
⚠	41	QSR0085-008U	Voltage Selector	1		U,P,PG
⚠	42	EMC0232-001BS	AC Outlet	1		BS
⚠	43	EMC0233-001	AC Outlet	1		A
⚠	44	QMC0240-002	AC Outlet	1		E,G
⚠	45	QMC0440-001	AC Outlet	1		J,C
⚠		QMC0437-002	AC Outlet	1		U,P,PG
	46	E69589-008	Spacer	1		J
	47	E73209-001	Outlet Cover	1		BS
	48	E69559-009	Spacer	2	Chassis Base	Except G
	49	SBSB3016M	Screw	2		
	50	EX0085010R10S	Spacer	2		
⚠	51	QHS3876-162	Cord Stopper	1		Except BS
⚠		QHS3876-162BS	Cord Stopper	1		BS
⚠	52	QMP1480-200	Power Cord	1		J,C
⚠		QMP7600-200	Power Cord	1		U,P,PG
⚠		QMP3900-200	Power Cord	1		E
⚠		QMP2560-244	Power Cord	1		A
⚠		QMP39A0-200	Power Cord	1		G
⚠		QMP9017-008BS	Power Cord	1		BS
	53	QMG0301-003	Fuse Holder	1		U,P,PG,E,G
⚠	54	QMF51A2-3R15S	Fuse	1		U,PG
⚠		QMF51A2-6R3S	Fuse	1		P
⚠		QMF51A2-1R25S	Fuse	1		E,G
	55	E70078-001	GND.Terminal	1		
	56	ENZ1009-001	CATV Unit	1		J,C
	57	EMZ3001-002	Short Pin	2		
	58	SBST3006M	Screw	2		
	59	SDSB3008M	Screw	2		
	60	E11256-041	Rear Panel	1		J,C
		E11256-042	Rear Panel	1		U,P,PG
		E11256-043	Rear Panel	1		E
		E11256-044	Rear Panel	1		G
		E11256-045	Rear Panel	1		A
		E11256-048	Rear Panel	1		BS

⚠: SAFETY PARTS

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C ..... Canada
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P, PG ..... U.S. Military Market
U ..... Other Countries
No mark indicates all areas.

Printed Circuit Board Ass'y and Parts List

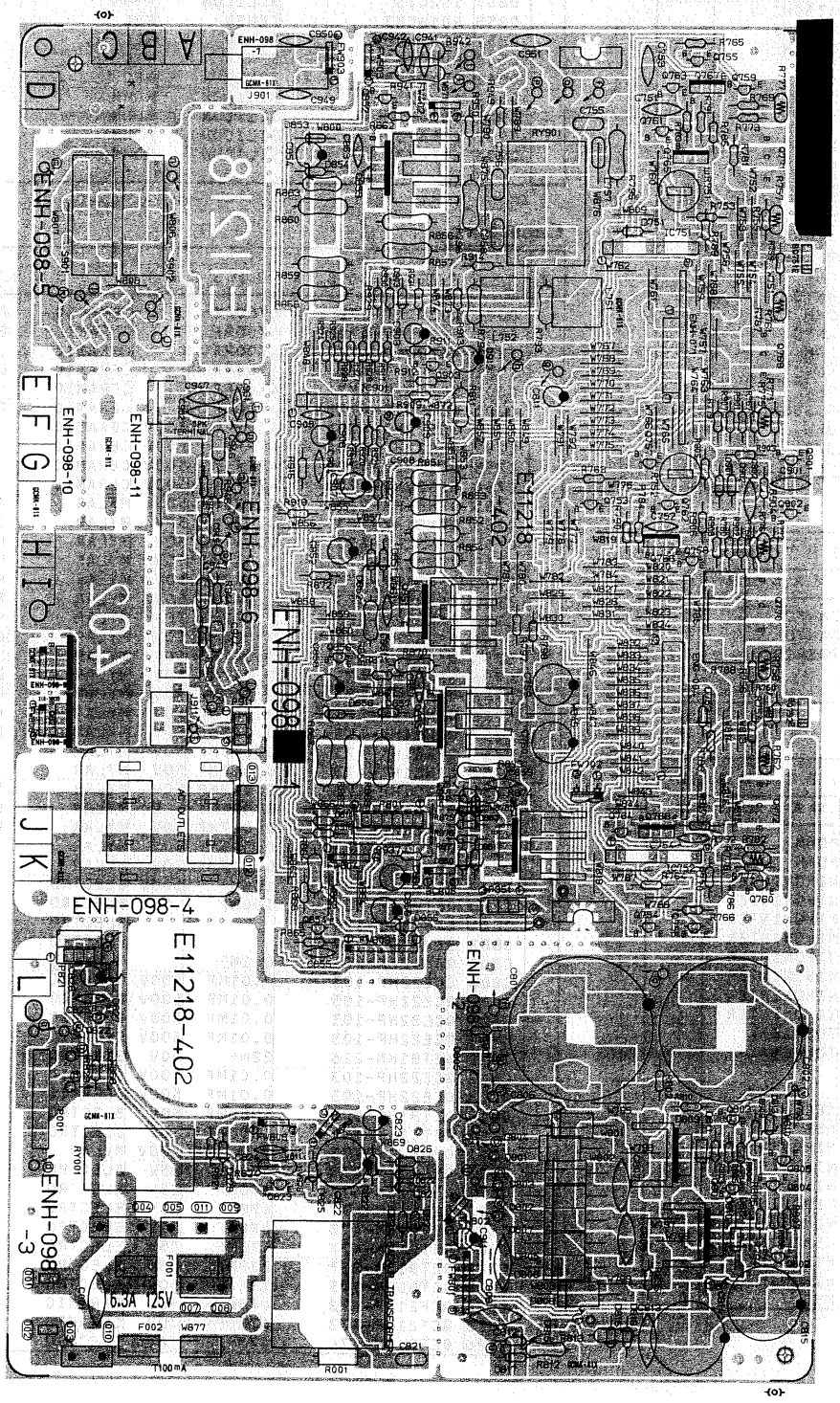
■ ENH-098☐ Power Amplifier PC Board Ass'y

Note: ENH-098☐ Varies according to the area employed. See note (1) when placing an order.

Note (1)

PC Board Ass'y	Designated Areas
ENH-098 [A]	U.S.A.
ENH-098 [B]	Canada
ENH-098 [C]	U.S. Military Market & Other Countries

PC Board Ass'y	Designated Areas
ENH-098 [D]	Europe & Australia
ENH-098 [E] BS	U.K.
ENH-098 [F]	West Germany



Transistors

⚠	ITEM	PART NUMBER	DESCRIPTION	MAKER	AREA
	Q751	2SD636(Q,R)	SILICON	MATSUSHITA	
	Q752	2SD636(Q,R)	SILICON	MATSUSHITA	
	Q753	2SC1740LN(R,S)	SILICON	ROHM	
	Q754	2SC1740LN(R,S)	SILICON	ROHM	
	Q755	2SA933LN(R,S)	SILICON	ROHM	
	Q756	2SA933LN(R,S)	SILICON	ROHM	
	Q757	2SC1740LN(R,S)	SILICON	ROHM	
	Q758	2SC1740LN(R,S)	SILICON	ROHM	
	Q759	2SA933LN(R,S)	SILICON	ROHM	
	Q760	2SA933LN(R,S)	SILICON	ROHM	
	Q761	2SC2389(S,E)	SILICON	ROHM	
	Q762	2SC2389(S,E)	SILICON	ROHM	
	Q763	2SA1038(S,E)	SILICON	ROHM	
	Q764	2SA1038(S,E)	SILICON	ROHM	
	Q765	2SD669A(B,C)	SILICON	HITACHI	
	Q766	2SD669A(B,C)	SILICON	HITACHI	
	Q767	2SB649A(B,C)	SILICON	HITACHI	
	Q768	2SB649A(B,C)	SILICON	HITACHI	
	Q769	2SC2921LF(O,Y)	SILICON		
	Q770	2SC2921LF(O,Y)	SILICON		
	Q771	2SA1215LF(O,Y)	SILICON		
	Q772	2SA1215LF(O,Y)	SILICON		
	Q801	2SC2389(S,E)	SILICON	ROHM	
	Q802	2SA1038(S,E)	SILICON	ROHM	
	Q803	2SA1038(S,E)	SILICON	ROHM	
	Q804	2SC2389(S,E)	SILICON	ROHM	
	Q805	2SC2389(S,E)	SILICON	ROHM	
	Q821	2SD1265A(O)	SILICON	MATSUSHITA	C
	Q822	2SC2235(O,Y)	SILICON	TOSHIBA	
	Q823	DTC114YN	SILICON	ROHM	
	Q851	2SD1666(R,S)	SILICON	SANYO	
	Q852	2SC1740LN(R,S)	SILICON	ROHM	
	Q853	2SD1666(R,S)	SILICON	SANYO	
	Q854	2SC1740LN(R,S)	SILICON	ROHM	
	Q855	2SB1133(R,S)	SILICON	SANYO	
	Q856	2SA933LN(R,S)	SILICON	ROHM	
	Q857	2SB941A(P,Q)	SILICON	MATSUSHITA	
	Q901	2SC2389(S,E)	SILICON	ROHM	
	Q902	2SC2389(S,E)	SILICON	ROHM	
	Q903	2SA1038(S,E)	SILICON	ROHM	

ICs

⚠	ITEM	PART NUMBER	DESCRIPTION	MAKER	AREA
	IC751	VC5022-2	I.C.	SANYO	
	IC752	VC5022-2	I.C.	SANYO	
	IC901	TA7317P	I.C.	TOSHIBA	

Diodes

⚠	ITEM	PART NUMBER	DESCRIPTION	MAKER	AREA
	D751	1S2473	SILICON	ROHM	
	D752	1S2473	SILICON	ROHM	
	D801	30DL2FC	SILICON	NIHONINTER	
	D802	30DL2FC	SILICON	NIHONINTER	
	D803	30DL2FC	SILICON	NIHONINTER	
	D804	30DL2FC	SILICON	NIHONINTER	
	D805	30DL2FC	SILICON	NIHONINTER	
	D806	30DL2FC	SILICON	NIHONINTER	
	D807	30DL2FC	SILICON	NIHONINTER	
	D808	30DL2FC	SILICON	NIHONINTER	
	D809	SF8D41	SILICON	TOSHIBA	
	D810	SF8D41	SILICON	TOSHIBA	
	D811	ERB12-02RKL1	SILICON		
	D812	ERB12-02RKL1	SILICON		
	D813	RD2.7EB2	ZENER	NEC	
	D814	RD6.2EB3	ZENER	NEC	
	D815	11E2	SILICON	NIHONINTER	
	D816	11E2	SILICON	NIHONINTER	
	D817	11E2	SILICON	NIHONINTER	
	D818	11E2	SILICON	NIHONINTER	
	D821	11E2	SILICON	NIHONINTER	
	D822	11E2	SILICON	NIHONINTER	
	D823	11E2	SILICON	NIHONINTER	
	D824	11E2	SILICON	NIHONINTER	
	D825	RD12EB3	ZENER	NEC	C

Diodes

⚠	ITEM	PART NUMBER	DESCRIPTION	MAKER	AREA
	D826	1S2473	SILICON	ROHM	
	D827	RD6.2EB3	ZENER	NEC	
	D828	RD12EB3	ZENER	NEC	D
	D828	1S2473	SILICON	ROHM	A
	D828	1S2473	SILICON	ROHM	B
	D828	1S2473	SILICON	ROHM	C
	D828	1S2473	SILICON	ROHM	EBS
	D828	1S2473	SILICON	ROHM	F
	D851	1S2473	SILICON	ROHM	
	D852	RD16EB3	ZENER	NEC	
	D853	1S2473	SILICON	ROHM	D
	D853	1S2473	SILICON	ROHM	EBS
	D853	1S2473	SILICON	ROHM	F
	D854	RD15EB3	ZENER	NEC	
	D855	RD5.6EB3	ZENER	NEC	
	D857	1S2473	SILICON	ROHM	
	D858	RD16EB3	ZENER	NEC	
	D859	RD6.8EB3	ZENER	NEC	
	D860	RD10EB3	ZENER	NEC	
	D861	RD10EB3	ZENER	NEC	
	D862	1S2473	SILICON	ROHM	
	D901	1S2473	SILICON	ROHM	
	D902	1S2473	SILICON	ROHM	
	D903	1S2473	SILICON	ROHM	

Capacitors

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
	C001	QCZ9019-472	4700PF		CERAMIC	A
	C001	QCZ9019-472	4700PF		CERAMIC	B
	C001	QCZ9019-472	4700PF		CERAMIC	C
	C001	QCZ9019-472	4700PF		CERAMIC	D
	C001	QCZ9019-472	4700PF		CERAMIC	F
	C001	QCZ9019-472BS	4700PF		CERAMIC	EBS
	C751	QCS22HJ-470A	47PF	500V	CERAMIC	
	C752	QCS22HJ-470A	47PF	500V	CERAMIC	
	C753	QCS22HJ-470A	47PF	500V	CERAMIC	
	C754	QCS22HJ-470A	47PF	500V	CERAMIC	
	C755	QFN81HK-223	0.022MF	50V	MYLAR	A
	C755	QFN81HK-223	0.022MF	50V	MYLAR	C
	C755	QFN81HK-473	0.047MF	50V	MYLAR	B
	C755	QFN81HK-473	0.047MF	50V	MYLAR	D
	C755	QFN81HK-473	0.047MF	50V	MYLAR	EBS
	C755	QFN81HK-473	0.047MF	50V	MYLAR	F
	C756	QFN81HK-223	0.022MF	50V	MYLAR	A
	C756	QFN81HK-223	0.022MF	50V	MYLAR	C
	C756	QFN81HK-473	0.047MF	50V	MYLAR	B
	C756	QFN81HK-473	0.047MF	50V	MYLAR	D
	C756	QFN81HK-473	0.047MF	50V	MYLAR	EBS
	C756	QFN81HK-473	0.047MF	50V	MYLAR	F
	C757	QFN81HK-473	0.047MF	50V	MYLAR	B
	C757	QFN81HK-473	0.047MF	50V	MYLAR	D
	C757	QFN81HK-473	0.047MF	50V	MYLAR	EBS
	C757	QFN81HK-473	0.047MF	50V	MYLAR	F
	C758	QFN81HK-473	0.047MF	50V	MYLAR	B
	C758	QFN81HK-473	0.047MF	50V	MYLAR	D
	C758	QFN81HK-473	0.047MF	50V	MYLAR	EBS
	C758	QFN81HK-473	0.047MF	50V	MYLAR	F
	C759	QETB2AM-107	100MF	100V	ELECTRO	
	C760	QETB2AM-107	100MF	100V	ELECTRO	
	C801	EEW7501-129			ELECTRO	
	C802	EEW7501-129			ELECTRO	
	C805	QFH42EK-104	0.1MF		M.MYLAR	
	C806	QCE22HP-103	0.01MF	500V	CERAMIC	
	C807	QCE22HP-103	0.01MF	500V	CERAMIC	
	C808	QCE22HP-103	0.01MF	500V	CERAMIC	
	C809	QCE22HP-103	0.01MF	500V	CERAMIC	
	C811	QETB1HM-226	22MF	50V	ELECTRO	
	C812	QCE22HP-103	0.01MF	500V	CERAMIC	
	C813	QCE22HP-103	0.01MF	500V	CERAMIC	
	C814	QETB1HM-108	1000MF	50V	ELECTRO	
	C815	QETB1HM-108	1000MF	50V	ELECTRO	
	C821	QFM82AK-473	0.047MF	100V	MYLAR	
	C822	QETB1EM-477	470MF	25V	ELECTRO	A
	C822	QETB1EM-477	470MF	25V	ELECTRO	B
	C822	QETB1EM-477	470MF	25V	ELECTRO	D
	C822	QETB1EM-477	470MF	25V	ELECTRO	EBS
	C822	QETB1EM-477	470MF	25V	ELECTRO	F
	C822	QETB1JM-227	220MF	63V	ELECTRO	C
	C823	QETB1HM-105	1MF	50V	ELECTRO	
	C824	QCF21HP-472	4700PF	50V	CERAMIC	C
	C825	QCF21HP-472	4700PF	50V	CERAMIC	
	C826	QETB1CM-476	47MF	16V	ELECTRO	

Capacitors

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
	C851	QCF21HP-472	4700PF	50V	CERAMIC	
	C852	QETB1EM-227	220MF	25V	ELECTRO	
	C853	QCF21HP-472	4700PF	50V	CERAMIC	
	C854	QETB1EM-107	100MF	25V	ELECTRO	
	C855	QCF21HP-472	4700PF	50V	CERAMIC	
	C856	QETB1EM-476	47MF	25V	ELECTRO	
	C857	QCF21HP-472	4700PF	50V	CERAMIC	
	C858	QETB1EM-227	220MF	25V	ELECTRO	
	C859	QCF21HP-472	4700PF	50V	CERAMIC	
	C860	QETB1HM-476	47MF	50V	ELECTRO	
	C901	QCF21HP-223	0.022MF	50V	CERAMIC	
	C902	QCF21HP-223	0.022MF	50V	CERAMIC	
	C903	QETB1EM-226	22MF	25V	ELECTRO	
	C904	QCF21HP-223	0.022MF	50V	CERAMIC	
	C905	QCY21HK-102	1000PF	50V	CERAMIC	
	C906	QETB1AM-476	47MF	10V	ELECTRO	
	C907	QETB1HM-474	0.47MF	50V	ELECTRO	
	C908	QFN81HK-153	0.015MF	50V	MYLAR	
	C909	QETB1CM-226	22MF	16V	ELECTRO	
	C911	QETB1HM-105	1MF	50V	ELECTRO	
	C912	QETB1HM-227	220MF	50V	ELECTRO	
	C941	QCS21HJ-331	330PF	50V	CERAMIC	F
	C942	QCS21HJ-331	330PF	50V	CERAMIC	F
	C943	QFN81HK-103	0.01MF	50V	MYLAR	F
	C944	QFN81HK-103	0.01MF	50V	MYLAR	F
	C945	QFN81HK-103	0.01MF	50V	MYLAR	F
	C946	QFN81HK-103	0.01MF	50V	MYLAR	F
	C949	QCS21HJ-151	150PF	50V	CERAMIC	F
	C950	QCS21HJ-151	150PF	50V	CERAMIC	F
	C951	QCF21HP-103	0.01MF	50V	CERAMIC	F
	C952	QCF21HP-472	4700PF	50V	CERAMIC	F
	C961	QCF21HP-223	0.022MF	50V	CERAMIC	

Resistors

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
⚠	R001	QRC128K-275EM	2.7M	1/2W	COMPOSI	A
⚠	R001	QRC128K-275EM	2.7M	1/2W	COMPOSI	B
	R751	QVP4A0B-471			VARIABLE	
	R752	QVP4A0B-471			VARIABLE	
	R753	QRD148J-471S	470	1/4W	CARBON	
	R754	QRD148J-471S	470	1/4W	CARBON	
	R755	QRD148J-101S	100	1/4W	CARBON	
	R756	QRD148J-101S	100	1/4W	CARBON	
	R757	ERT-D2WFL351S			THERMISTER	
	R758	ERT-D2WFL351S			THERMISTER	
	R759	QRD148J-391S	390	1/4W	CARBON	
	R760	QRD148J-391S	390	1/4W	CARBON	
	R761	SDT250			THERMISTER	D
	R761	SDT250			THERMISTER	EBS
	R761	SDT250			THERMISTER	F
	R762	SDT250			THERMISTER	D
	R762	SDT250			THERMISTER	EBS
	R762	SDT250			THERMISTER	F
	R763	QRD148J-102S	1K	1/4W	CARBON	
	R764	QRD148J-102S	1K	1/4W	CARBON	
	R765	QRD148J-102S	1K	1/4W	CARBON	
	R766	QRD148J-102S	1K	1/4W	CARBON	
	R767	QRD148J-221S	220	1/4W	CARBON	
	R768	QRD148J-221S	220	1/4W	CARBON	
	R769	QRD148J-221S	220	1/4W	CARBON	
	R770	QRD148J-221S	220	1/4W	CARBON	
	R771	QRD148J-271S	270	1/4W	CARBON	
	R772	QRD148J-271S	270	1/4W	CARBON	
	R773	QRD148J-271S	270	1/4W	CARBON	
	R774	QRD148J-271S	270	1/4W	CARBON	
	R775	ERT-D2WFL351S			THERMISTER	
	R776	ERT-D2WFL351S			THERMISTER	
	R777	ERT-D2WFL351S			THERMISTER	
	R778	ERT-D2WFL351S			THERMISTER	
	R779	QRD148J-241S	240	1/4W	CARBON	A
	R779	QRD148J-241S	240	1/4W	CARBON	B
	R779	QRD148J-331S	330	1/4W	CARBON	C
	R779	QRD148J-331S	330	1/4W	CARBON	D
	R779	QRD148J-331S	330	1/4W	CARBON	EBS
	R779	QRD148J-331S	330	1/4W	CARBON	F
	R780	QRD148J-241S	240	1/4W	CARBON	A
	R780	QRD148J-241S	240	1/4W	CARBON	B
	R780	QRD148J-331S	330	1/4W	CARBON	C
	R780	QRD148J-331S	330	1/4W	CARBON	D
	R780	QRD148J-331S	330	1/4W	CARBON	EBS

⚠ : SAFETY PARTS

Resistors

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
	R780	QRD148J-331S	330	1/4W	CARBON	F
	R781	QRD148J-241S	240	1/4W	CARBON	A
	R781	QRD148J-241S	240	1/4W	CARBON	B
	R781	QRD148J-331S	330	1/4W	CARBON	C
	R781	QRD148J-331S	330	1/4W	CARBON	D
	R781	QRD148J-331S	330	1/4W	CARBON	EBS
	R781	QRD148J-331S	330	1/4W	CARBON	F
	R782	QRD148J-241S	240	1/4W	CARBON	A
	R782	QRD148J-241S	240	1/4W	CARBON	B
	R782	QRD148J-331S	330	1/4W	CARBON	C
	R782	QRD148J-331S	330	1/4W	CARBON	D
	R782	QRD148J-331S	330	1/4W	CARBON	EBS
	R782	QRD148J-331S	330	1/4W	CARBON	F
⚠	R783	QRD145J-272S	2.7K	1/4W	UNF.CARBON	
⚠	R784	QRD145J-272S	2.7K	1/4W	UNF.CARBON	
⚠	R785	QRD145J-271S	270	1/4W	UNF.CARBON	
⚠	R786	QRD145J-271S	270	1/4W	UNF.CARBON	
⚠	R787	ERF032K-R22	0.22	3W	CEMENT	
⚠	R788	ERF032K-R22	0.22	3W	CEMENT	
⚠	R789	QRD145J-100S	10	1/4W	UNF.CARBON	
⚠	R790	QRD145J-100S	10	1/4W	UNF.CARBON	
⚠	R791	QRD145J-100S	10	1/4W	UNF.CARBON	
⚠	R792	QRD145J-100S	10	1/4W	UNF.CARBON	
⚠	R793	QRD125J-330	33	1/2W	UNF.CARBON	A
⚠	R793	QRD125J-330	33	1/2W	UNF.CARBON	B
⚠	R793	QRD125J-330	33	1/2W	UNF.CARBON	C
⚠	R793	QRD125J-330	33	1/2W	UNF.CARBON	D
⚠	R793	QRD125J-330	33	1/2W	UNF.CARBON	EBS
⚠	R793	QRD125J-470	47	1/2W	UNF.CARBON	F
⚠	R794	QRD125J-330	33	1/2W	UNF.CARBON	A
⚠	R794	QRD125J-330	33	1/2W	UNF.CARBON	B
⚠	R794	QRD125J-330	33	1/2W	UNF.CARBON	C
⚠	R794	QRD125J-330	33	1/2W	UNF.CARBON	D
⚠	R794	QRD125J-330	33	1/2W	UNF.CARBON	EBS
⚠	R794	QRD125J-470	47	1/2W	UNF.CARBON	F
⚠	R795	QRG022J-100A	10	2W	O.M.FILM	
⚠	R796	QRG022J-100A	10	2W	O.M.FILM	
⚠	R797	QRD145J-330S	33	1/4W	UNF.CARBON	
⚠	R798	QRD145J-330S	33	1/4W	UNF.CARBON	
	R801	QRD148J-333S	33K	1/4W	CARBON	
	R802	QRD148J-333S	33K	1/4W	CARBON	
⚠	R803	QRD145J-4R7S	4.7	1/4W	UNF.CARBON	
	R804	QRD148J-472S	4.7K	1/4W	CARBON	
	R805	QRD148J-103S	10K	1/4W	CARBON	
⚠	R806	QRD145J-4R7S	4.7	1/4W	UNF.CARBON	
	R807	QRD148J-472S	4.7K	1/4W	CARBON	
	R808	QRD148J-103S	10K	1/4W	CARBON	
	R809	QRD148J-122S	1.2K	1/4W	CARBON	
	R810	QRD148J-333S	33K	1/4W	CARBON	
⚠	R811	QRG012J-222A	2.2K	1W	O.M.FILM	
⚠	R812	QRX012J-2R2AM	2.2	1W	M.FILM	
⚠	R813	QRX012J-2R2AM	2.2	1W	M.FILM	
⚠	R821	QRD145J-100S	10	1/4W	UNF.CARBON	A
⚠	R821	QRD145J-100S	10	1/4W	UNF.CARBON	B
⚠	R821	QRD145J-3R3S	3.3	1/4W	UNF.CARBON	C
⚠	R821	QRZ0062-100	10	1/4W	FUSIBLE	D
⚠	R821	QRZ0062-100	10	1/4W	FUSIBLE	F
⚠	R821	QRZ0062-220	22	1/4W	FUSIBLE	EBS
	R822	QRD148J-472S	4.7K	1/4W	CARBON	
	R823	QRD148J-821S	820	1/4W	CARBON	
⚠	R824	QRG012J-222A	2.2K	1W	O.M.FILM	C
⚠	R851	QRG022J-121A	120	2W	O.M.FILM	A
⚠	R851	QRG022J-121A	120	2W	O.M.FILM	B
⚠	R851	QRG022J-121A	120	2W	O.M.FILM	C
⚠	R851	QRG022J-181A	180	2W	O.M.FILM	D
⚠	R851	QRG022J-181A	180	2W	O.M.FILM	EBS
⚠	R851	QRG022J-181A	180	2W	O.M.FILM	F
⚠	R852	QRG022J-121A	120	2W	O.M.FILM	A
⚠	R852	QRG022J-121A	120	2W	O.M.FILM	B
⚠	R852	QRG022J-121A	120	2W	O.M.FILM	C
⚠	R852	QRG022J-181A	180	2W	O.M.FILM	D
⚠	R852	QRG022J-181A	180	2W	O.M.FILM	EBS
⚠	R852	QRG022J-181A	180	2W	O.M.FILM	F
⚠	R853	QRG022J-181A	180	2W	O.M.FILM	D
⚠	R853	QRG022J-181A	180	2W	O.M.FILM	EBS
⚠	R853	QRG022J-181A	180	2W	O.M.FILM	F
⚠	R855	QRD125J-272	2.7K	1/2W	UNF.CARBON	
⚠	R856	QRG022J-680AF	68	2W	O.M.FILM	
⚠	R857	QRG022J-680AF	68	2W	O.M.FILM	
⚠	R858	QRG022J-680AF	68	2W	O.M.FILM	
⚠	R859	QRG022J-680AF	68	2W	O.M.FILM	
⚠	R860	QRG022J-180AF	18	2W	O.M.FILM	
⚠	R862	QRD145J-101S	100	1/4W	UNF.CARBON	A
⚠	R862	QRD145J-101S	100	1/4W	UNF.CARBON	B
⚠	R862	QRD145J-101S	100	1/4W	UNF.CARBON	C

⚠ : SAFETY PARTS

Resistors

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
⚠	R862	QRZ0062-101	100	1/4W	FUSIBLE	D
⚠	R862	QRZ0062-101	100	1/4W	FUSIBLE	EBS
⚠	R862	QRZ0062-101	100	1/4W	FUSIBLE	F
⚠	R863	QRD125J-222	2.2K	1/2W	UNF.CARBON	
⚠	R864	QRD125J-180	18	1/2W	UNF.CARBON	A
⚠	R864	QRD125J-180	18	1/2W	UNF.CARBON	B
⚠	R864	QRD125J-180	18	1/2W	UNF.CARBON	C
⚠	R864	QRZ0063-180	18		FUSIBLE	D
⚠	R864	QRZ0063-180	18		FUSIBLE	EBS
⚠	R864	QRZ0063-180	18		FUSIBLE	F
⚠	R865	QRD145J-101S	100	1/4W	UNF.CARBON	A
⚠	R865	QRD145J-101S	100	1/4W	UNF.CARBON	B
⚠	R865	QRD145J-101S	100	1/4W	UNF.CARBON	C
⚠	R865	QRZ0062-101	100	1/4W	FUSIBLE	D
⚠	R865	QRZ0062-101	100	1/4W	FUSIBLE	EBS
⚠	R865	QRZ0062-101	100	1/4W	FUSIBLE	F
	R866	QRD148J-152S	1.5K	1/4W	CARBON	
⚠	R867	QRG022J-221A	220	2W	O.M.FILM	A
⚠	R867	QRG022J-221A	220	2W	O.M.FILM	B
⚠	R867	QRG022J-221A	220	2W	O.M.FILM	C
⚠	R867	QRG022J-331A	330	2W	O.M.FILM	D
⚠	R867	QRG022J-331A	330	2W	O.M.FILM	EBS
⚠	R867	QRG022J-331A	330	2W	O.M.FILM	F
⚠	R868	QRG022J-221A	220	2W	O.M.FILM	A
⚠	R868	QRG022J-221A	220	2W	O.M.FILM	B
⚠	R868	QRG022J-221A	220	2W	O.M.FILM	C
⚠	R868	QRG022J-331A	330	2W	O.M.FILM	D
⚠	R868	QRG022J-331A	330	2W	O.M.FILM	EBS
⚠	R868	QRG022J-331A	330	2W	O.M.FILM	F
⚠	R869	QRG022J-331A	330	2W	O.M.FILM	D
⚠	R869	QRG022J-331A	330	2W	O.M.FILM	EBS
⚠	R869	QRG022J-331A	330	2W	O.M.FILM	F
⚠	R870	QRD125J-272	2.7K	1/2W	UNF.CARBON	
	R871	QRD148J-682S	6.8K	1/4W	CARBON	
	R872	QRD148J-562S	5.6K	1/4W	CARBON	
⚠	R873	QRG022J-100A	10	2W	O.M.FILM	
⚠	R874	QRD125J-102	1K	1/2W	UNF.CARBON	
⚠	R875	QRD145J-270S	27	1/4W	UNF.CARBON	A
⚠	R875	QRD145J-270S	27	1/4W	UNF.CARBON	B
⚠	R875	QRD145J-270S	27	1/4W	UNF.CARBON	C
⚠	R875	QRZ0062-270	27	1/4W	FUSIBLE	D
⚠	R875	QRZ0062-270	27	1/4W	FUSIBLE	EBS
⚠	R875	QRZ0062-270	27	1/4W	FUSIBLE	F
⚠	R876	QRD145J-820S	82	1/4W	UNF.CARBON	A
⚠	R876	QRD145J-820S	82	1/4W	UNF.CARBON	B
⚠	R876	QRD145J-820S	82	1/4W	UNF.CARBON	C
⚠	R876	QRZ0062-820	82	1/4W	FUSIBLE	D
⚠	R876	QRZ0062-820	82	1/4W	FUSIBLE	EBS
⚠	R876	QRZ0062-820	82	1/4W	FUSIBLE	F
⚠	R877	QRD145J-270S	27	1/4W	UNF.CARBON	A
⚠	R877	QRD145J-270S	27	1/4W	UNF.CARBON	B
⚠	R877	QRD145J-270S	27	1/4W	UNF.CARBON	C
⚠	R877	QRZ0062-270	27	1/4W	FUSIBLE	D
⚠	R877	QRZ0062-270	27	1/4W	FUSIBLE	EBS
⚠	R877	QRZ0062-270	27	1/4W	FUSIBLE	F
	R901	QRD148J-681S	680	1/4W	CARBON	
	R902	QRD148J-681S	680	1/4W	CARBON	
	R903	QRD148J-562S	5.6K	1/4W	CARBON	
	R904	QRD148J-562S	5.6K	1/4W	CARBON	
	R905	QRD148J-123S	12K	1/4W	CARBON	
	R906	QRD148J-123S	12K	1/4W	CARBON	
	R907	QRD148J-152S	1.5K	1/4W	CARBON	
	R908	QRD148J-152S	1.5K	1/4W	CARBON	
	R909	QRD148J-103S	10K	1/4W	CARBON	
	R911	QRD148J-332S	3.3K	1/4W	CARBON	
	R912	QRD148J-473S	47K	1/4W	CARBON	
	R913	QRD148J-104S	100K	1/4W	CARBON	
	R914	QRD148J-823S	82K	1/4W	CARBON	
	R915	QRD148J-473S	47K	1/4W	CARBON	
	R916	QRD148J-563S	56K	1/4W	CARBON	
	R917	QRD148J-683S	68K	1/4W	CARBON	
	R918	QRD148J-392S	3.9K	1/4W	CARBON	
	R919	QRD148J-392S	3.9K	1/4W	CARBON	
	R920	QRD148J-333S	33K	1/4W	CARBON	
	R921	QRD148J-224S	220K	1/4W	CARBON	
	R922	QRD148J-562S	5.6K	1/4W	CARBON	
⚠	R924	QRD145J-820S	82	1/4W	UNF.CARBON	C
⚠	R924	QRD145J-820S	82	1/4W	UNF.CARBON	D
⚠	R924	QRD145J-820S	82	1/4W	UNF.CARBON	EBS
⚠	R924	QRD145J-820S	82	1/4W	UNF.CARBON	F
	R924	QRD148J-560S	56	1/4W	CARBON	A
	R924	QRD148J-560S	56	1/4W	CARBON	B
⚠	R925	QRD145J-150S	15	1/4W	UNF.CARBON	C
⚠	R925	QRD145J-150S	15	1/4W	UNF.CARBON	D
⚠	R925	QRD145J-150S	15	1/4W	UNF.CARBON	EBS

⚠ : SAFETY PARTS

Resistors

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
⚠	R925	QRD145J-150S	15	1/4W	UNF.CARBON	F
	R925	QRD148J-560S	56	1/4W	CARBON	A
	R925	QRD148J-560S	56	1/4W	CARBON	B
⚠	R926	QRD145J-820S	82	1/4W	UNF.CARBON	C
⚠	R926	QRD145J-820S	82	1/4W	UNF.CARBON	D
⚠	R926	QRD145J-820S	82	1/4W	UNF.CARBON	EBS
⚠	R926	QRD145J-820S	82	1/4W	UNF.CARBON	F
	R926	QRD148J-560S	56	1/4W	CARBON	A
	R926	QRD148J-560S	56	1/4W	CARBON	B
⚠	R927	QRD145J-150S	15	1/4W	UNF.CARBON	C
⚠	R927	QRD145J-150S	15	1/4W	UNF.CARBON	D
⚠	R927	QRD145J-150S	15	1/4W	UNF.CARBON	EBS
⚠	R927	QRD145J-150S	15	1/4W	UNF.CARBON	F
	R927	QRD148J-560S	56	1/4W	CARBON	A
	R927	QRD148J-560S	56	1/4W	CARBON	B
⚠	R928	QRD145J-820S	82	1/4W	UNF.CARBON	C
⚠	R928	QRD145J-820S	82	1/4W	UNF.CARBON	D
⚠	R928	QRD145J-820S	82	1/4W	UNF.CARBON	EBS
⚠	R928	QRD145J-820S	82	1/4W	UNF.CARBON	F
	R928	QRD148J-680S	68	1/4W	CARBON	A
	R928	QRD148J-680S	68	1/4W	CARBON	B
⚠	R929	QRD145J-150S	15	1/4W	UNF.CARBON	C
⚠	R929	QRD145J-150S	15	1/4W	UNF.CARBON	D
⚠	R929	QRD145J-150S	15	1/4W	UNF.CARBON	EBS
⚠	R929	QRD145J-150S	15	1/4W	UNF.CARBON	F
	R929	QRD148J-680S	68	1/4W	CARBON	A
	R929	QRD148J-680S	68	1/4W	CARBON	B
⚠	R930	QRD145J-820S	82	1/4W	UNF.CARBON	C
⚠	R930	QRD145J-820S	82	1/4W	UNF.CARBON	D
⚠	R930	QRD145J-820S	82	1/4W	UNF.CARBON	EBS
⚠	R930	QRD145J-820S	82	1/4W	UNF.CARBON	F
⚠	R931	QRD145J-330S	33	1/4W	UNF.CARBON	
	R935	QRD148J-822S	8.2K	1/4W	CARBON	
	R937	QRD148J-822S	8.2K	1/4W	CARBON	
⚠	R941	QRG022J-471A	470	2W	O.M.FILM	
⚠	R942	QRG022J-471A	470	2W	O.M.FILM	
⚠	R943	QRZ0062-101	100	1/4W	FUSIBLE	F
⚠	R944	QRZ0062-101	100	1/4W	FUSIBLE	F
⚠	R945	QRZ0062-101	100	1/4W	FUSIBLE	F
⚠	R946	QRZ0062-101	100	1/4W	FUSIBLE	F
	R949	QRD148J-103S	10K	1/4W	CARBON	
	R950	QRD148J-103S	10K	1/4W	CARBON	

⚠ : SAFETY PARTS

Others

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
		EMB90TV-801A	SPK.TERMINAL	
		EMG7331-001	FUSE CLIP	A
		EMG7331-001	FUSE CLIP	B
		EMG7331-001	FUSE CLIP	D
		EMG7331-001	FUSE CLIP	EBS
		EMG7331-001	FUSE CLIP	F
		ENG-004A	PRE DRIVER ASSY	A
		ENG-004A	PRE DRIVER ASSY	B
		ENG-004A	PRE DRIVER ASSY	C
		ENG-004B	PRE DRIVER ASSY	D
		ENG-004B	PRE DRIVER ASSY	EBS
		ENG-004C	PRE DRIVER ASSY	F
		ENH-071A	IMPEDANCE UNIT	C
		ENH-071A	IMPEDANCE UNIT	D
		ENH-071A	IMPEDANCE UNIT	EBS
		ENH-071A	IMPEDANCE UNIT	F
		ENH-071E	IMPEDANCE	A
		ENH-071E	IMPEDANCE	B
⚠		ETP1000-41EA	POWER TRANSF.	D
⚠		ETP1000-41EA	POWER TRANSF.	F
⚠		ETP1000-41EABS	POWER TRANSF.	EBS
⚠		ETP1000-41ZA	POWER TRANSF.	C
⚠		ETP1000-42JA	POWER TRANSF.	A
⚠		ETP1000-42JA	POWER TRANSF.	B
		EWH23A-60RR	PARA WIRE	
		E11218-402	C.BOARD	A
		E11218-402	C.BOARD	B
		E11218-402	C.BOARD	C
		E11218-402	C.BOARD	D
		E11218-402	C.BOARD	F
		E11218-402BS	C.BOARD	EBS
		E303551-002	HEAT SINK	
		E304105-001	H.S.BRACKET	
		E304105-002	H.S.BRACKET	
		E33754-001	TIE BAND	

⚠ : SAFETY PARTS

Others

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
		E65508-002	TAB	
		E67764-102	R.TERMINAL	
		E67764-103	R.TERMINAL	
		E67764-202	R.TERMINAL	
		E67764-302	R.TERMINAL	A
		E67764-302	R.TERMINAL	B
		E67764-302	R.TERMINAL	C
		E69826-H22B	HEAT SINK	
		E69826-H22B	HEAT SINK	
		E70208-001	PLATE	
		E70225-001	EARTH PLATE	
		E70306-001	HEAT SINK	
		E70859-001	EARTH PLATE	
		E73525-001	SCREW	
⚠		QMC0437-002	AC SOCKET	C
⚠		QMC0440-001	AC SOCKET	A
⚠		QMC0440-001	AC SOCKET	B
		SBSB3008CC	T.SCREW	
		SBSB3008CC	T.SCREW	C
		SBSB3008Z	T.SCREW	

⚠ : SAFETY PARTS

Others

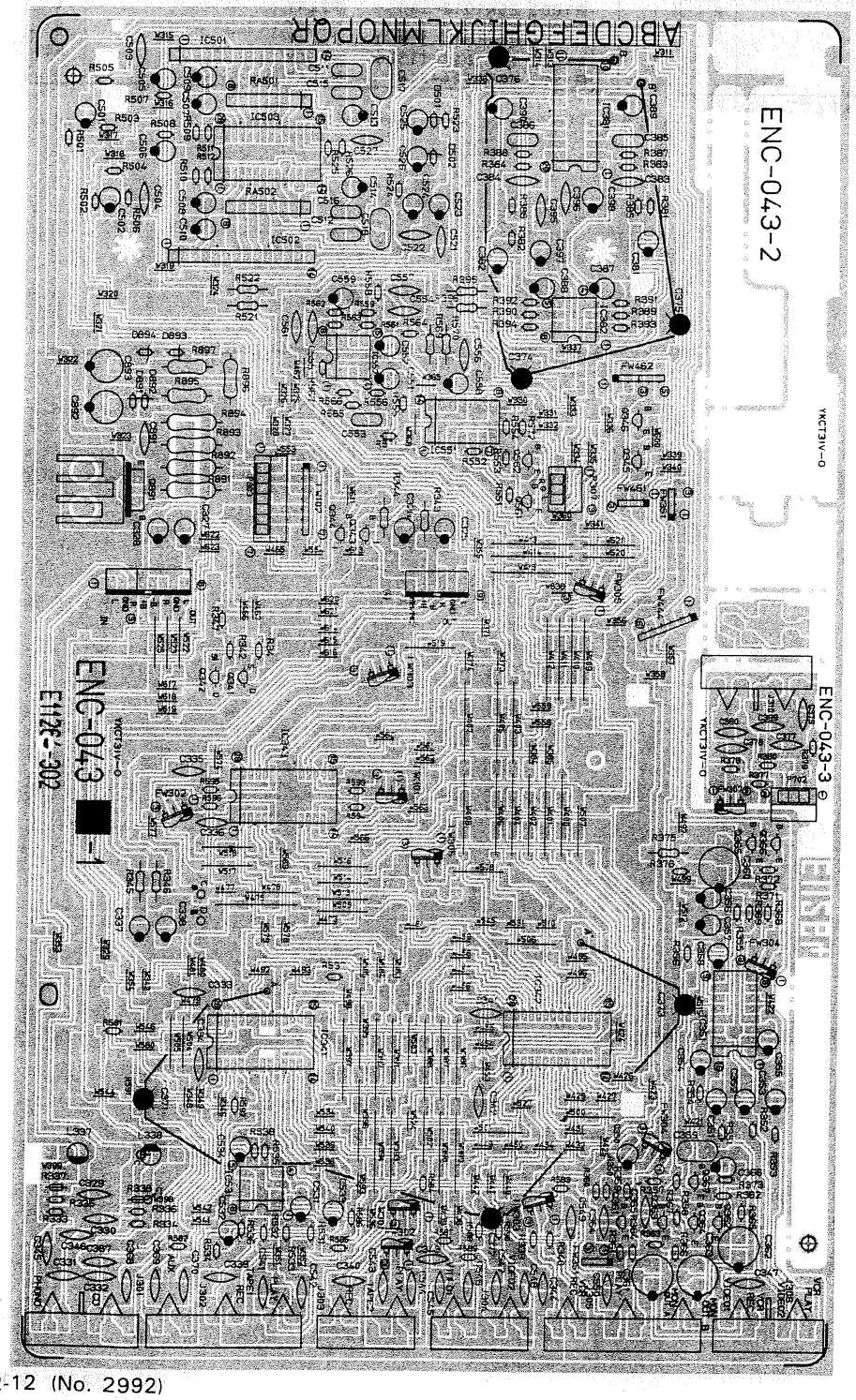
⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
		SBSB3012Z	SCREW	
		SBSB3012Z	SCREW	
	J901	QMS6A40-021	JACK ASSY	
	J911	QMS3533-001	JACK ASSY	
	L751	EQL0101-1R2	INDUCTOR	
	L752	EQL0101-1R2	INDUCTOR	
	P001	EMV5102-005A	5P PLUG ASSY	
	P351	EMV7112-003	SOCKET	
	P801	EMV7112-006	SOCKET	
	P821	EMV7112-003	SOCKET	
	P911	EMV7112-003	SOCKET	
	S901	QST4231-E04	PUSH SWITCH	
	S902	QST4231-E04	PUSH SWITCH	
	RY001	ESK1D12-113	RELAY	A
	RY001	ESK1D12-113	RELAY	B
	RY001	ESK1D12-113	RELAY	C
	RY001	ESK1D12-113	RELAY	D
	RY001	ESK1D12-113	RELAY	F I EBS
	RY001	ESK1D12-113BS	RELAY	
	RY901	ESK5D24-214	RELAY	

■ ENC-043☐ Pre-Amplifier PC Board Ass'y

Note: ENC-043☐ Varies according to the area employed. See note (1) when placing an order.

Note (1)

PC Board Ass'y	Designated Areas
ENC-043 [A]	U.S.A., Canada U.S. Military Market & Other Countries
ENC-043 [B]	Europe, Australia & U.K.
ENC-043 [C]	West Germany



Transitors

⚠	ITEM	PART NUMBER	DESCRIPTION	MAKER	AREA
	Q341	2SK163(L1)	F.E.T	NEC	
	Q342	2SK163(L1)	F.E.T	NEC	
	Q343	DTA114YN	SILICON	ROHM	
	Q344	DTA114YN	SILICON	ROHM	
	Q345	DTC144EN	SILICON	ROHM	
	Q346	DTC144EN	SILICON	ROHM	
	Q361	2SC458(C,D)	SILICON	HITACHI	
	Q362	2SC458(C,D)	SILICON	HITACHI	
	Q363	2SC458(C,D)	SILICON	HITACHI	
	Q364	2SA733A(P,Q)	SILICON	NEC	
	Q365	DTC144EN	SILICON	ROHM	
	Q366	DTC144EN	SILICON	ROHM	
	Q367	DTC144EN	SILICON	ROHM	
	Q561	DTA114YN	SILICON	ROHM	
	Q562	DTC144EN	SILICON	ROHM	
	Q891	2SD1666(R,S)	SILICON	SANYO	

ICs

⚠	ITEM	PART NUMBER	DESCRIPTION	MAKER	AREA
	IC341	TC9164N	I.C.	TOSHIBA	
	IC342	TC9163N	I.C.	TOSHIBA	
	IC343	TC9164N	I.C.	TOSHIBA	
	IC351	M51320P	I.C.	MITSUBISHI	
	IC381	TC9177P	I.C.	TOSHIBA	
	IC382	NJM4560D-X	I.C.		
	IC501	7EL-GEQ-001	I.C.		
	IC502	7EL-GEQ-001	I.C.		
	IC503	LC7522	I.C.	SANYO	
	IC531	M5218P	I.C.	MITSUBISHI	
	IC551	LC4966	I.C.	SANYO	
	IC552	M5218P	I.C.	MITSUBISHI	

Diodes

⚠	ITEM	PART NUMBER	DESCRIPTION	MAKER	AREA
	D501	MTZ6.8JC	ZENER	ROHM	
	D502	MTZ6.8JC	ZENER	ROHM	
	D891	1SS133	SILICON	ROHM	
	D892	MTZ13JC	ZENER	ROHM	
	D893	MTZ13JC	ZENER	ROHM	
	D894	MTZ13JC	ZENER	ROHM	

Capacitors

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
	C325	QETB1EM-107	100MF	25V	ELECTRO	
	C326	QETB1EM-107	100MF	25V	ELECTRO	
	C329	QCS21HJ-151	150PF	50V	CERAMIC	
	C330	QCS21HJ-151	150PF	50V	CERAMIC	
	C331	QCF21HP-223	0.022MF	50V	CERAMIC	
	C332	QCF21HP-223	0.022MF	50V	CERAMIC	
	C333	QCF21HP-223	0.022MF	50V	CERAMIC	
	C334	QCF21HP-223	0.022MF	50V	CERAMIC	
	C335	QCF21HP-223	0.022MF	50V	CERAMIC	
	C336	QCF21HP-223	0.022MF	50V	CERAMIC	
	C337	QETB1EM-476	47MF	25V	ELECTRO	
	C338	QETB1EM-476	47MF	25V	ELECTRO	
	C339	QCF21HP-223	0.022MF	50V	CERAMIC	
	C340	QCF21HP-223	0.022MF	50V	CERAMIC	
	C341	QCF21HP-223	0.022MF	50V	CERAMIC	
	C342	QCF21HP-223	0.022MF	50V	CERAMIC	
	G343	QCF21HP-223	0.022MF	50V	CERAMIC	
	C344	QCF21HP-223	0.022MF	50V	CERAMIC	
	C345	QCS21HJ-101	100PF	50V	CERAMIC	C
	C346	QCS21HJ-101	100PF	50V	CERAMIC	C

Capacitors

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
	C347	QCF21HP-223	0.022MF	50V	CERAMIC	
	C350	QETB1CM-476	47MF	16V	ELECTRO	
	C351	QETB1CM-476	47MF	16V	ELECTRO	
	C352	QETB1CM-476	47MF	16V	ELECTRO	
	C353	QETB1CM-476	47MF	16V	ELECTRO	
	C354	QETB1CM-476	47MF	16V	ELECTRO	
	C355	QETB1CM-476	47MF	16V	ELECTRO	
	C356	QETB1CM-476	47MF	16V	ELECTRO	
	C357	QETB1CM-476	47MF	16V	ELECTRO	
	C358	QETB1CM-476	47MF	16V	ELECTRO	
	C359	QFN81HK-104	0.1MF	50V	MYLAR	
	C360	QETB1CM-108	1000MF	16V	ELECTRO	
	C361	QETB1AM-108	1000MF	10V	ELECTRO	
	C362	QETB1AM-108	1000MF	10V	ELECTRO	
	C363	QETB1AM-108	1000MF	10V	ELECTRO	
	C364	QCS21HJ-270	27PF	50V	CERAMIC	
	C365	QCS21HJ-270	27PF	50V	CERAMIC	
	C366	QETB1EM-106	10MF	25V	ELECTRO	
	C367	QCS21HJ-331	330PF	50V	CERAMIC	C
	C368	QCS21HJ-331	330PF	50V	CERAMIC	C
	C369	QCS21HJ-331	330PF	50V	CERAMIC	C
	C370	QCS21HJ-331	330PF	50V	CERAMIC	C
	C371	QCS21HJ-101	100PF	50V	CERAMIC	
	C372	QCS21HJ-101	100PF	50V	CERAMIC	
	C373	QCS21HJ-101	100PF	50V	CERAMIC	
	C374	QCS21HJ-101	100PF	50V	CERAMIC	
	C375	QCS21HJ-101	100PF	50V	CERAMIC	
	C376	QCS21HJ-101	100PF	50V	CERAMIC	
	C377	QCS21HJ-331	330PF	50V	CERAMIC	C
	C378	QCS21HJ-331	330PF	50V	CERAMIC	C
	C379	QCS21HJ-331	330PF	50V	CERAMIC	C
	C380	QCS21HJ-331	330PF	50V	CERAMIC	C
	C381	QETB1HM-475	4.7MF	50V	ELECTRO	
	C382	QETB1HM-475	4.7MF	50V	ELECTRO	
	C383	QCS21HJ-181	180PF	50V	CERAMIC	
	C384	QCS21HJ-181	180PF	50V	CERAMIC	
	C385	QFN81HK-333	0.033MF	50V	MYLAR	
	C386	QFN81HK-333	0.033MF	50V	MYLAR	
	C387	QETB1HM-105	1MF	50V	ELECTRO	
	C388	QETB1HM-105	1MF	50V	ELECTRO	
	C389	QETB1EM-106	10MF	25V	ELECTRO	
	C390	QETB1EM-106	10MF	25V	ELECTRO	
	C395	QCF21HP-223	0.022MF	50V	CERAMIC	
	C396	QCF21HP-223	0.022MF	50V	CERAMIC	
	C397	QETB1EM-476	47MF	25V	ELECTRO	
	C398	QETB1EM-476	47MF	25V	ELECTRO	
	C399	QCF21HP-223	0.022MF	50V	CERAMIC	
	C501	QETB1HM-475	4.7MF	50V	ELECTRO	
	C502	QETB1HM-475	4.7MF	50V	ELECTRO	
	C503	QCS21HJ-470	47PF	50V	CERAMIC	
	C504	QCS21HJ-470	47PF	50V	CERAMIC	
	C505	QETB1HM-475	4.7MF	50V	ELECTRO	
	C506	QETB1HM-475	4.7MF	50V	ELECTRO	
	C507	QETB1HM-475	4.7MF	50V	ELECTRO	
	C508	QETB1HM-475	4.7MF	50V	ELECTRO	
	C509	QETB1HM-475	4.7MF	50V	ELECTRO	
	C510	QETB1HM-475	4.7MF	50V	ELECTRO	
	C511	QFN81HK-104	0.1MF	50V	MYLAR	
	C512	QFN81HK-104	0.1MF	50V	MYLAR	
	C515	QFV81HJ-274	0.27MF	50V	T.FILM	
	C516	QFV81HJ-274	0.27MF	50V	T.FILM	
	C517	QFV81HJ-684	0.68MF	50V	T.FILM	
	C518	QFV81HJ-684	0.68MF	50V	T.FILM	
	C521	QCF21HP-223	0.022MF	50V	CERAMIC	
	C522	QCF21HP-223	0.022MF	50V	CERAMIC	
	C523	QETB1HM-475	4.7MF	50V	ELECTRO	
	C524	QETB1HM-475	4.7MF	50V	ELECTRO	
	C525	QETB1HM-475	4.7MF	50V	ELECTRO	
	C526	QETB1HM-475	4.7MF	50V	ELECTRO	
	C527	QCF21HP-223	0.022MF	50V	CERAMIC	
	C529	QCS21HJ-101A	100PF	50V	CERAMIC	C
	C530	QCS21HJ-101A	100PF	50V	CERAMIC	C
	C531	QETB1EM-106	10MF	25V	ELECTRO	
	C532	QETB1EM-106	10MF	25V	ELECTRO	
	C533	QETB1EM-106	10MF	25V	ELECTRO	
	C534	QETB1EM-106	10MF	25V	ELECTRO	
	C541	QCS21HJ-331	330PF	50V	CERAMIC	C
	C542	QCS21HJ-331	330PF	50V	CERAMIC	C
	C543	QCS21HJ-331	330PF	50V	CERAMIC	C
	C544	QCS21HJ-331	330PF	50V	CERAMIC	C
	C545	QCS21HJ-331	330PF	50V	CERAMIC	C
	C546	QCS21HJ-331	330PF	50V	CERAMIC	C
	C547	QCS21HJ-331	330PF	50V	CERAMIC	C
	C548	QCS21HJ-331	330PF	50V	CERAMIC	C
	C549	QCS21HJ-331	330PF	50V	CERAMIC	C

Capacitors

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
	C550	QCS21HJ-331	330PF	50V	CERAMIC	C
	C551	QETB1HM-475	4.7MF	50V	ELECTRO	
	C552	QETB1HM-475	4.7MF	50V	ELECTRO	
	C553	QFN81HK-333	0.033MF	50V	MYLAR	
	C554	QCY21HK-472	4700PF	50V	CERAMIC	
	C555	QCS21HJ-271	270PF	50V	CERAMIC	
	C556	QCF21HP-223	0.022MF	50V	CERAMIC	
	C557	QCF21HP-223	0.022MF	50V	CERAMIC	
	C558	QETB1EM-106	10MF	25V	ELECTRO	
	C559	QETB1EM-106	10MF	25V	ELECTRO	
	C891	QCF21HP-472	4700PF	50V	CERAMIC	
	C892	QETB1EM-107	100MF	25V	ELECTRO	
	C893	QETB1HM-476	47MF	50V	ELECTRO	

Resistors

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
	R333	QRD161J-473	47K	1/6W	CARBON	
	R334	QRD161J-473	47K	1/6W	CARBON	
	R335	QRD161J-471	470	1/6W	CARBON	
	R336	QRD161J-471	470	1/6W	CARBON	
	R337	QRD161J-152	1.5K	1/6W	CARBON	C
	R338	QRD161J-152	1.5K	1/6W	CARBON	C
	R339	QRD161J-471	470	1/6W	CARBON	
	R340	QRD161J-471	470	1/6W	CARBON	
	R341	QRD161J-473	47K	1/6W	CARBON	
	R342	QRD161J-473	47K	1/6W	CARBON	
⚠	R343	QRD145J-680S	68	1/4W	UNF.CARBON	A
⚠	R343	QRZ0062-680	68	1/4W	FUSIBLE	B
⚠	R343	QRZ0062-680	68	1/4W	FUSIBLE	C
⚠	R344	QRD145J-680S	68	1/4W	UNF.CARBON	A
⚠	R344	QRZ0062-680	68	1/4W	FUSIBLE	B
⚠	R344	QRZ0062-680	68	1/4W	FUSIBLE	C
⚠	R345	QRD145J-680S	68	1/4W	UNF.CARBON	A
⚠	R345	QRZ0062-680	68	1/4W	FUSIBLE	B
⚠	R345	QRZ0062-680	68	1/4W	FUSIBLE	C
⚠	R346	QRD145J-680S	68	1/4W	UNF.CARBON	A
⚠	R346	QRZ0062-680	68	1/4W	FUSIBLE	B
⚠	R346	QRZ0062-680	68	1/4W	FUSIBLE	C
	R347	QRD161J-104	100K	1/6W	CARBON	
	R350	QRD161J-333	33K	1/6W	CARBON	
	R351	QRD161J-750	75	1/6W	CARBON	
	R352	QRD161J-750	75	1/6W	CARBON	
	R353	QRD161J-750	75	1/6W	CARBON	
	R354	QRD161J-750	75	1/6W	CARBON	
	R355	QRD161J-750	75	1/6W	CARBON	
	R356	QRD161J-821	820	1/6W	CARBON	
	R357	QRD161J-101	100	1/6W	CARBON	
	R358	QRD161J-102	1K	1/6W	CARBON	
	R359	QRD161J-100	10	1/6W	CARBON	
	R360	QRD161J-563	56K	1/6W	CARBON	
	R361	QRD161J-271	270	1/6W	CARBON	
	R362	QRD161J-271	270	1/6W	CARBON	
	R363	QRD161J-241	240	1/6W	CARBON	
	R364	QRD161J-680	68	1/6W	CARBON	
	R365	QRD161J-680	68	1/6W	CARBON	
	R366	QRD161J-750	75	1/6W	CARBON	
	R367	QRD161J-182	1.8K	1/6W	CARBON	
	R368	QRD161J-563	56K	1/6W	CARBON	
	R369	QRD161J-563	56K	1/6W	CARBON	
	R371	QRD161J-103	10K	1/6W	CARBON	
	R372	QRD161J-103	10K	1/6W	CARBON	
	R373	QRD161J-102	1K	1/6W	CARBON	
⚠	R375	QRD145J-220S	22	1/4W	UNF.CARBON	A
⚠	R375	QRZ0062-220	22	1/4W	FUSIBLE	B
⚠	R375	QRZ0062-220	22	1/4W	FUSIBLE	C
	R376	QRD161J-104	100K	1/6W	CARBON	
	R377	QRD161J-221	220	1/6W	CARBON	
	R378	QRD161J-221	220	1/6W	CARBON	
	R379	QRD161J-221	220	1/6W	CARBON	
	R380	QRD161J-221	220	1/6W	CARBON	
	R381	QRD161J-104	100K	1/6W	CARBON	
	R382	QRD161J-104	100K	1/6W	CARBON	
	R383	QRD161J-105	1M	1/6W	CARBON	
	R384	QRD161J-105	1M	1/6W	CARBON	
	R385	QRD161J-563	56K	1/6W	CARBON	
	R386	QRD161J-563	56K	1/6W	CARBON	
	R387	QRD161J-563	56K	1/6W	CARBON	
	R388	QRD161J-563	56K	1/6W	CARBON	
	R389	QRD161J-103	10K	1/6W	CARBON	
	R390	QRD161J-103	10K	1/6W	CARBON	
	R391	QRD161J-105	1M	1/6W	CARBON	

⚠ : SAFETY PARTS

Resistors

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
	R392	QRD161J-105	1M	1/6W	CARBON	
	R393	QRD161J-103	10K	1/6W	CARBON	
	R394	QRD161J-103	10K	1/6W	CARBON	
⚠	R395	QRD145J-680S	68	1/4W	UNF.CARBON	A
⚠	R395	QRZ0062-680	68	1/4W	FUSIBLE	B
⚠	R395	QRZ0062-680	68	1/4W	FUSIBLE	C
⚠	R396	QRD145J-680S	68	1/4W	UNF.CARBON	A
⚠	R396	QRZ0062-680	68	1/4W	FUSIBLE	B
⚠	R396	QRZ0062-680	68	1/4W	FUSIBLE	C
	R501	QRD161J-273	27K	1/6W	CARBON	
	R502	QRD161J-273	27K	1/6W	CARBON	
	R503	QRD161J-393	39K	1/6W	CARBON	
	R504	QRD161J-393	39K	1/6W	CARBON	
	R505	QRD161J-823	82K	1/6W	CARBON	
	R506	QRD161J-823	82K	1/6W	CARBON	
	R507	QRD161J-104	100K	1/6W	CARBON	
	R508	QRD161J-104	100K	1/6W	CARBON	
	R509	QRD161J-224	220K	1/6W	CARBON	
	R510	QRD161J-224	220K	1/6W	CARBON	
	R511	QRD161J-224	220K	1/6W	CARBON	
	R512	QRD161J-224	220K	1/6W	CARBON	
⚠	R521	QRD145J-680S	68	1/4W	UNF.CARBON	A
⚠	R521	QRZ0062-680	68	1/4W	FUSIBLE	B
⚠	R521	QRZ0062-680	68	1/4W	FUSIBLE	C
⚠	R522	QRD145J-680S	68	1/4W	UNF.CARBON	A
⚠	R522	QRZ0062-680	68	1/4W	FUSIBLE	B
⚠	R522	QRZ0062-680	68	1/4W	FUSIBLE	C
	R523	QRD161J-821	820	1/6W	CARBON	
	R524	QRD161J-821	820	1/6W	CARBON	
	R525	QRD161J-681	680	1/6W	CARBON	
	R526	QRD161J-272	2.7K	1/6W	CARBON	
	R531	QRD161J-102	1K	1/6W	CARBON	
	R532	QRD161J-102	1K	1/6W	CARBON	
	R533	QRD161J-823	82K	1/6W	CARBON	
	R534	QRD161J-823	82K	1/6W	CARBON	
	R535	QRD161J-124	120K	1/6W	CARBON	
	R536	QRD161J-124	120K	1/6W	CARBON	
	R537	QRD161J-474	470K	1/6W	CARBON	
	R538	QRD161J-474	470K	1/6W	CARBON	
	R551	QRD161J-563	56K	1/6W	CARBON	
	R552	QRD161J-563	56K	1/6W	CARBON	
	R553	QRD161J-563	56K	1/6W	CARBON	
	R554	QRD161J-563	56K	1/6W	CARBON	
	R555	QRD161J-223	22K	1/6W	CARBON	
	R556	QRD161J-273	27K	1/6W	CARBON	
	R558	QRD161J-474	470K	1/6W	CARBON	
	R559	QRD161J-223	22K	1/6W	CARBON	
	R561	QRD161J-104	100K	1/6W	CARBON	
	R562	QRD161J-154	150K	1/6W	CARBON	
	R563	QRD161J-394	390K	1/6W	CARBON	
	R564	QRD161J-474	470K	1/6W	CARBON	
	R565	QRD161J-333	33K	1/6W	CARBON	
	R566	QRD161J-683	68K	1/6W	CARBON	
	R567	QRD161J-273	27K	1/6W	CARBON	
⚠	R569	QRD145J-680S	68	1/4W	UNF.CARBON	A
⚠	R569	QRZ0062-680	68	1/4W	FUSIBLE	B
⚠	R569	QRZ0062-680	68	1/4W	FUSIBLE	C
⚠	R570	QRD145J-680S	68	1/4W	UNF.CARBON	A
⚠	R570	QRZ0062-680	68	1/4W	FUSIBLE	B
⚠	R570	QRZ0062-680	68	1/4W	FUSIBLE	C
	R571	QRD161J-474	470K	1/6W	CARBON	
	R572	QRD161J-474	470K	1/6W	CARBON	
	R581	QRD161J-221	220	1/6W	CARBON	
	R582	QRD161J-221	220	1/6W	CARBON	
	R583	QRD161J-221	220	1/6W	CARBON	
	R584	QRD161J-221	220	1/6W	CARBON	
	R585	QRD161J-221	220	1/6W	CARBON	
	R586	QRD161J-221	220	1/6W	CARBON	
	R587	QRD161J-221	220	1/6W	CARBON	
	R588	QRD161J-221	220	1/6W	CARBON	
	R589	QRD161J-221	220	1/6W	CARBON	
	R590	QRD161J-221	220	1/6W	CARBON	
	R591	QRD161J-221	220	1/6W	CARBON	
	R592	QRD161J-221	220	1/6W	CARBON	
	R593	QRD161J-221	220	1/6W	CARBON	
	R594	QRD161J-221	220	1/6W	CARBON	
	R595	QRD161J-221	220	1/6W	CARBON	
	R596	QRD161J-221	220	1/6W	CARBON	
⚠	R891	QRG022J-181A	180	2W	O.M.FILM	
⚠	R892	QRG022J-181A	180	2W	O.M.FILM	
⚠	R893	QRG022J-181A	180	2W	O.M.FILM	
⚠	R894	QRG022J-181A	180	2W	O.M.FILM	
⚠	R895	QRD125J-272	2.7K	1/2W	UNF.CARBON	
⚠	R896	QRD125J-561	560	1/2W	UNF.CARBON	
⚠	R897	QRD125J-681	680	1/2W	UNF.CARBON	
	RA501	QRB075J-474	470K		ARRAY	
	RA502	QRB075J-474	470K		ARRAY	

⚠ : SAFETY PARTS

Others

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
		ENZ2006-001	SHIELD CASE	C
		E11264-302	C.BOARD	
		E70945-H25B	HEAT SINK	
		SBSB3012Z	SCREW	
	J301	EMN00TV-405A	PIN JACK ASSY	
	J302	EMN00TV-602A	PIN JACK ASSY	
	J303	EMN00TV-402A	PIN JACK ASSY	
	J304	EMN00TV-402A	PIN JACK ASSY	
	J305	EMN00TV-602A	PIN JACK ASSY	
	J306	EMN00TV-405A	PIN JACK ASSY	

Others

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	J310	EMN00TV-405A	PIN JACK ASSY	
	L337	EQL0111-391	INDUCTOR	C
	L338	EQL0111-391	INDUCTOR	C
	P307	EMV7112-003	SOCKET	
	P702	EMV7112-003	SOCKET	
	P803	EMV7112-007	SOCKET	

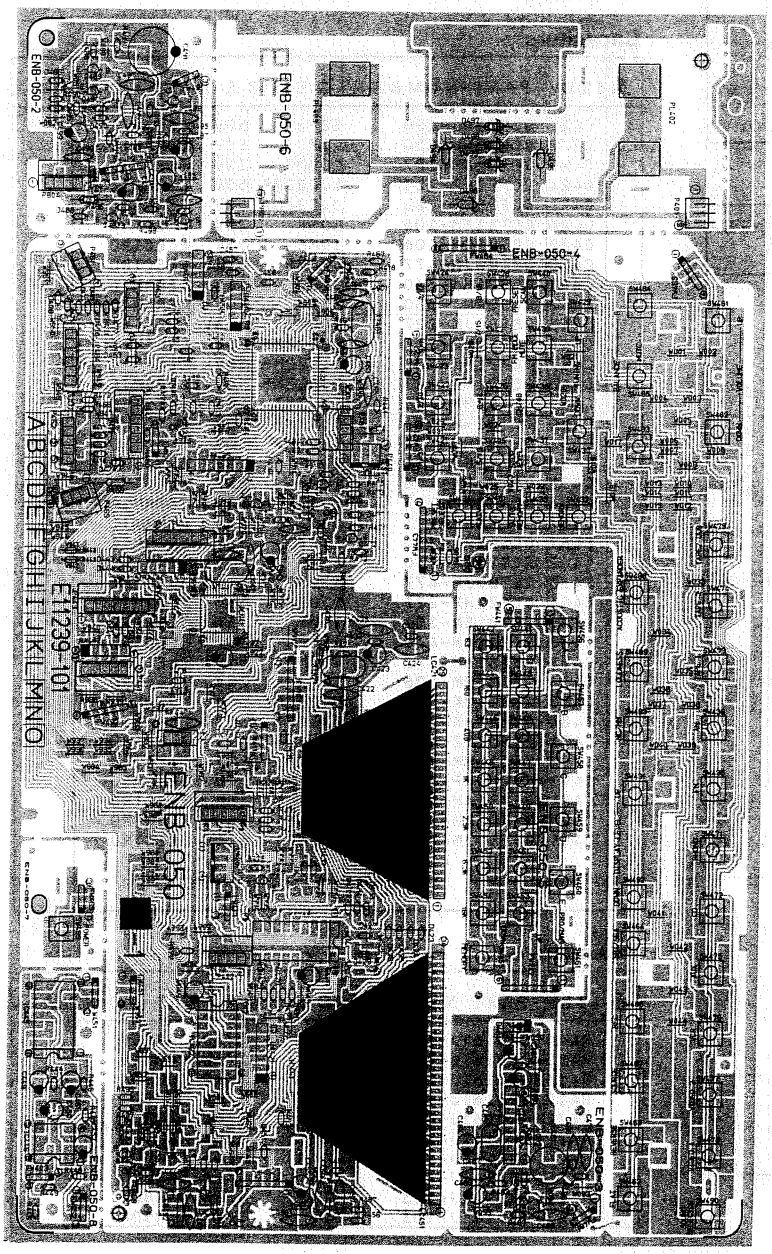
■ ENB-050☐ Logic PC Board Ass'y

Note: ENB-050☐ Varies according to the area employed. See note (1) when placing an order.

Note (1)

PC Board Ass'y	Designated Areas
ENB-050 [A]	U.S.A., Canada
ENB-050 [B]	U.S. Military Market & Other Countries

PC Board Ass'y	Designated Areas
ENB-050 [C]	Europe, Australia & U.K.
ENB-050 [D]	West Germany



Transitors

⚠	ITEM	PART NUMBER	DESCRIPTION	MAKER	AREA
	Q421	DTC144EN	SILICON	ROHM	
	Q441	DTC144EN	SILICON	ROHM	
	Q442	DTC144EN	SILICON	ROHM	
	Q471	DTC144EN	SILICON	ROHM	
	Q472	2SC458(C,D)	SILICON	HITACHI	
	Q481	2SC458(C,D)	SILICON	HITACHI	
	Q489	DTC144EN	SILICON	ROHM	
	Q490	DTC144EN	SILICON	ROHM	
	Q491	2SC458(C,D)	SILICON	HITACHI	
	Q492	2SC458(C,D)	SILICON	HITACHI	
	Q493	DTC144EN	SILICON	ROHM	

ICs

⚠	ITEM	PART NUMBER	DESCRIPTION	MAKER	AREA
	IC421	TC9302AF-013BS	I.C.	TOSHIBA	
	IC422	TC9173P	I.C.	TOSHIBA	
	IC423	TC5514APL-3	I.C.	TOSHIBA	
	IC441	UPD7507HG-507	I.C.	NEC	
	IC445	TC9154AP	I.C.	TOSHIBA	
	IC446	NJM4558D	I.C.		
	IC451	UPD7225G00	I.C.	NEC	
	IC461	MN1754JSG	I.C.	MATSUSHITA	
	IC481	UPC1473HA	I.C.	NEC	

Diodes

⚠	ITEM	PART NUMBER	DESCRIPTION	MAKER	AREA
	D421	1SS133	SILICON	ROHM	
	D423	1SS133	SILICON	ROHM	
	D424	1SS133	SILICON	ROHM	
	D425	1SS133	SILICON	ROHM	
	D426	1SS133	SILICON	ROHM	
	D427	1SS133	SILICON	ROHM	B
	D427	1SS133	SILICON	ROHM	C
	D427	1SS133	SILICON	ROHM	D
	D429	1SS133	SILICON	ROHM	B
	D429	1SS133	SILICON	ROHM	C
	D429	1SS133	SILICON	ROHM	D
	D431	1SS133	SILICON	ROHM	
	D432	1SS133	SILICON	ROHM	
	D433	1SS133	SILICON	ROHM	
	D434	1SS133	SILICON	ROHM	
	D435	1SS133	SILICON	ROHM	
	D436	1SS133	SILICON	ROHM	
	D437	1SS133	SILICON	ROHM	
	D441	1SS133	SILICON	ROHM	
	D442	1SS133	SILICON	ROHM	
	D443	1SS133	SILICON	ROHM	
	D444	1SS133	SILICON	ROHM	
	D445	1SS133	SILICON	ROHM	
	D446	1SS133	SILICON	ROHM	
	D448	MTZ5.6JC	ZENER	ROHM	
	D449	MTZ5.6JC	ZENER	ROHM	
	D451	1SS133	SILICON	ROHM	
	D456	1SS133	SILICON	ROHM	
	D457	1SS133	SILICON	ROHM	
	D458	1SS133	SILICON	ROHM	
	D459	1SS133	SILICON	ROHM	
	D461	1SS133	SILICON	ROHM	
	D462	1SS133	SILICON	ROHM	
	D463	1SS133	SILICON	ROHM	
	D464	1SS133	SILICON	ROHM	
	D465	1SS133	SILICON	ROHM	
	D466	1SS133	SILICON	ROHM	
	D469	1SS133	SILICON	ROHM	
	D470	1SS133	SILICON	ROHM	
	D471	1SS133	SILICON	ROHM	
	D472	1SS133	SILICON	ROHM	
	D473	1SS133	SILICON	ROHM	
	D474	MTZ5.1JB	ZENER	ROHM	
	D477	1SS133	SILICON	ROHM	
	D478	1SS133	SILICON	ROHM	

Diodes

⚠	ITEM	PART NUMBER	DESCRIPTION	MAKER	AREA
	D481	PD49PI	SILICON		
	D482	SLH-34VC3F	L.E.D.	ROHM	
	D485	1SS133	SILICON	ROHM	
	D486	1SS133	SILICON	ROHM	
	D487	1SS133	SILICON	ROHM	
	D488	MTZ5.6JC	ZENER	ROHM	
	D489	1SS133	SILICON	ROHM	
	D490	1SS133	SILICON	ROHM	
	D491	1SS133	SILICON	ROHM	
	D492	1SS133	SILICON	ROHM	
	D497	MTZ8.2JC	ZENER	ROHM	A
	D497	MTZ8.2JC	ZENER	ROHM	B
	D497	RD8.2EB3	ZENER	NEC	C
	D497	RD8.2EB3	ZENER	NEC	D
	D498	MTZ8.2JC	ZENER	ROHM	A
	D498	MTZ8.2JC	ZENER	ROHM	B
	D498	RD8.2EB3	ZENER	NEC	C
	D498	RD8.2EB3	ZENER	NEC	D
	D499	MTZ8.2JC	ZENER	ROHM	A
	D499	MTZ8.2JC	ZENER	ROHM	B
	D499	RD8.2EB3	ZENER	NEC	C
	D499	RD8.2EB3	ZENER	NEC	D

Capacitors

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
	C421	QCS21HJ-120	12PF	50V	CERAMIC	
	C422	QCS21HJ-120	12PF	50V	CERAMIC	
	C423	QETB1AM-107	100MF	10V	ELECTRO	
	C424	QCF21HP-223	0.022MF	50V	CERAMIC	
	C425	QCF21HP-223	0.022MF	50V	CERAMIC	
	C426	QETB1EM-106	10MF	25V	ELECTRO	
	C427	QETB1EM-106	10MF	25V	ELECTRO	
	C440	QETB0JM-477	470MF	6.3V	ELECTRO	
	C441	QCS21HJ-330	33PF	50V	CERAMIC	
	C442	QCS21HJ-330	33PF	50V	CERAMIC	
	C443	QETB0JM-227	220MF	6.3V	ELECTRO	
	C444	QCF21HP-223	0.022MF	50V	CERAMIC	
	C447	QCF21HP-223	0.022MF	50V	CERAMIC	
	C448	QCF21HP-223	0.022MF	50V	CERAMIC	
	C449	QETB1HM-474	0.47MF	50V	ELECTRO	
	C450	QETB1HM-474	0.47MF	50V	ELECTRO	
	C451	QETB1HM-474	0.47MF	50V	ELECTRO	
	C452	QETB1EM-106	10MF	25V	ELECTRO	
	C455	QETB1EM-106	10MF	25V	ELECTRO	
	C456	QCF21HP-223	0.022MF	50V	CERAMIC	
	C457	QCF21HP-223	0.022MF	50V	CERAMIC	
	C461	QCS21HJ-330	33PF	50V	CERAMIC	
	C462	QCS21HJ-330	33PF	50V	CERAMIC	
	C463	QETB0JM-477	470MF	6.3V	ELECTRO	
	C464	QCF21HP-223	0.022MF	50V	CERAMIC	
	C481	QETB1EM-106	10MF	25V	ELECTRO	
	C482	QETB1EM-476	47MF	25V	ELECTRO	
	C483	QETB1HM-475	4.7MF	50V	ELECTRO	
	C484	QETB1EM-106	10MF	25V	ELECTRO	
	C485	QFN81HK-333	0.033MF	50V	MYLAR	
	C486	QCY21HK-332	3300PF	50V	CERAMIC	
	C491	EEZ0502-479			ELECTRO	
	C492	QETB1HM-225	2.2MF	50V	ELECTRO	
	C493	QCF21HP-223	0.022MF	50V	CERAMIC	
	C494	QETB1AM-476	47MF	10V	ELECTRO	
	C495	QETB1HM-225	2.2MF	50V	ELECTRO	
	C499	QETB0JM-227	220MF	6.3V	ELECTRO	

Resistors

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
	R414	QRD161J-102	1K	1/6W	CARBON	
	R415	QRD161J-222	2.2K	1/6W	CARBON	
	R416	QRD161J-222	2.2K	1/6W	CARBON	
	R417	QRD161J-104	100K	1/6W	CARBON	
	R421	QRD161J-333	33K	1/6W	CARBON	
	R422	QRD161J-332	3.3K	1/6W	CARBON	
	R424	QRD161J-104	100K	1/6W	CARBON	
	R425	QRD161J-473	47K	1/6W	CARBON	
	R426	QRD161J-103	10K	1/6W	CARBON	
	R427	QRD161J-103	10K	1/6W	CARBON	

Resistors

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
	R428	QRD161J-103	10K	1/6W	CARBON	
	R429	QRD161J-103	10K	1/6W	CARBON	
	R430	QRD161J-332	3.3K	1/6W	CARBON	
	R431	QRD161J-222	2.2K	1/6W	CARBON	
	R432	QRD161J-104	100K	1/6W	CARBON	
	R433	QRD161J-104	100K	1/6W	CARBON	
	R435	QRD161J-104	100K	1/6W	CARBON	
	R436	QRD161J-104	100K	1/6W	CARBON	
	R437	QRD161J-104	100K	1/6W	CARBON	
	R438	QRD161J-104	100K	1/6W	CARBON	
	R441	QRD161J-102	1K	1/6W	CARBON	
	R442	QRD161J-222	2.2K	1/6W	CARBON	
	R443	QRD161J-222	2.2K	1/6W	CARBON	
	R444	QRD161J-474	470K	1/6W	CARBON	
	R445	QRD161J-471	470	1/6W	CARBON	
	R446	QRD161J-474	470K	1/6W	CARBON	
	R447	QRD161J-474	470K	1/6W	CARBON	
	R448	QRD161J-102	1K	1/6W	CARBON	
	R449	QRD161J-334	330K	1/6W	CARBON	
⚠	R450	QRD145J-681S	680	1/4W	UNF.CARBON	
⚠	R451	QRD145J-821S	820	1/4W	UNF.CARBON	
	R453	QRD161J-104	100K	1/6W	CARBON	
	R454	QRD161J-474	470K	1/6W	CARBON	
	R455	QRD161J-184	180K	1/6W	CARBON	
	R456	QRD161J-102	1K	1/6W	CARBON	
	R457	QRD161J-102	1K	1/6W	CARBON	
	R458	QRD161J-474	470K	1/6W	CARBON	
	R459	QRD161J-474	470K	1/6W	CARBON	
	R460	QRD161J-474	470K	1/6W	CARBON	
	R461	QRD161J-104	100K	1/6W	CARBON	
	R462	QRD161J-473	47K	1/6W	CARBON	
	R463	QRD161J-473	47K	1/6W	CARBON	
	R464	QRD161J-473	47K	1/6W	CARBON	
	R465	QRD161J-473	47K	1/6W	CARBON	
	R466	QRD161J-473	47K	1/6W	CARBON	
	R467	QRD161J-102	1K	1/6W	CARBON	
⚠	R468	QRD145J-681S	680	1/4W	UNF.CARBON	
	R469	QRD161J-474	470K	1/6W	CARBON	
	R470	QRD161J-474	470K	1/6W	CARBON	
	R471	QRD161J-473	47K	1/6W	CARBON	
	R472	QRD161J-473	47K	1/6W	CARBON	
	R473	QRD161J-471	470	1/6W	CARBON	
	R475	QRD161J-473	47K	1/6W	CARBON	
	R476	QRD161J-103	10K	1/6W	CARBON	
	R477	QRD161J-474	470K	1/6W	CARBON	
	R478	QRD161J-474	470K	1/6W	CARBON	
	R479	QRD161J-474	470K	1/6W	CARBON	
	R480	QRD161J-474	470K	1/6W	CARBON	
	R481	QRD161J-102	1K	1/6W	CARBON	
	R482	QRD161J-220	22	1/6W	CARBON	
	R483	QRD161J-104	100K	1/6W	CARBON	
	R484	QRD161J-104	100K	1/6W	CARBON	
	R485	QRD161J-221	220	1/6W	CARBON	
	R486	QRD161J-103	10K	1/6W	CARBON	
	R487	QRD161J-223	22K	1/6W	CARBON	
	R488	QRD161J-472	4.7K	1/6W	CARBON	
	R489	QRD161J-472	4.7K	1/6W	CARBON	
	R490	QRD161J-472	4.7K	1/6W	CARBON	
	R491	QRD161J-472	4.7K	1/6W	CARBON	
	R492	QRD161J-102	1K	1/6W	CARBON	
	R493	QRD161J-472	4.7K	1/6W	CARBON	
	R494	QRD161J-223	22K	1/6W	CARBON	
	R495	QRD161J-473	47K	1/6W	CARBON	
⚠	R496	QRD145J-222S	2.2K	1/4W	UNF.CARBON	C
⚠	R496	QRD145J-222S	2.2K	1/4W	UNF.CARBON	D
	R496	QRD161J-222	2.2K	1/6W	CARBON	A
	R496	QRD161J-222	2.2K	1/6W	CARBON	B
	R497	QRD161J-331	330	1/6W	CARBON	
	R498	QRD161J-103	10K	1/6W	CARBON	
	R499	QRD161J-223	22K	1/6W	CARBON	
	RA421	QRB055J-473	47K		ARRAY	
	RA441	QRB045J-104	100K		ARRAY	
	RA442	QRB045J-104	100K		ARRAY	
	RA461	QRB045J-103	10K		ARRAY	
	RA462	QRB045J-473	47K		ARRAY	
	RA463	QRB065J-473	47K		ARRAY	

⚠ : SAFETY PARTS

Others

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
		E11239-101	CIR.BOARD	
		E45524-002	FUSE CLIP	
		E71504-001	SHIELD COVER	
	L481	EQL2103-562	INDUCTOR	
	P401	QMV5004-003K	PULAG ASSY	
	P420	QMV5005-004K	PULAG ASSY	
	P421	EMV7112-005	SOCKET	
	P422	EMV7112-004	SOCKET	
	P440	QMV5005-003K	PULAG ASSY	
	P441	EMV7112-005	SOCKET	
	P442	EMV7112-006	SOCKET	
	P443	EMV7112-007	SOCKET	
	P444	EMV7112-006	SOCKET	
	P461	EMV7112-003	SOCKET	
	P462	EMV7112-005	SOCKET	
	P463	EMV7112-004	SOCKET	
	P464	EMV7112-006	SOCKET	
	P465	EMV7112-003	SOCKET	
	P481	EMV7112-003	SOCKET	
	P804	EMV7112-004	SOCKET	
	P805	QMV5004-003K	PULAG ASSY	
	P911	EMV7112-003	SOCKET	
	LC421	ELU0002-028	LCD PANEL	
	LC451	ELU0002-032	LCD PANEL	
	SW421	ESP0001-007	PUSH SWITCH	
	SW422	ESP0001-007	PUSH SWITCH	
	SW423	ESP0001-007	PUSH SWITCH	
	SW424	ESP0001-007	PUSH SWITCH	
	SW425	ESP0001-007	PUSH SWITCH	
	SW426	ESP0001-007	PUSH SWITCH	
	SW427	ESP0001-007	PUSH SWITCH	
	SW428	ESP0001-007	PUSH SWITCH	
	SW429	ESP0001-007	PUSH SWITCH	
	SW430	ESP0001-007	PUSH SWITCH	
	SW431	ESP0001-007	PUSH SWITCH	A
	SW432	ESP0001-007	PUSH SWITCH	
	SW433	ESP0001-007	PUSH SWITCH	
	SW434	ESP0001-007	PUSH SWITCH	
	SW435	ESP0001-007	PUSH SWITCH	
	SW436	ESP0001-007	PUSH SWITCH	
	SW437	ESP0001-007	PUSH SWITCH	
	SW438	ESP0001-007	PUSH SWITCH	
	SW439	ESP0001-007	PUSH SWITCH	
	SW440	ESP0001-007	PUSH SWITCH	
	SW441	ESP0001-007	PUSH SWITCH	
	SW442	ESP0001-007	PUSH SWITCH	
	SW443	ESP0001-007	PUSH SWITCH	
	SW444	ESP0001-007	PUSH SWITCH	
	SW445	ESP0001-007	PUSH SWITCH	
	SW446	ESP0001-007	PUSH SWITCH	
	SW447	ESP0001-007	PUSH SWITCH	
	SW448	ESP0001-007	PUSH SWITCH	
	SW449	ESP0001-007	PUSH SWITCH	
	SW450	ESP0001-007	PUSH SWITCH	
	SW451	ESP0001-007	PUSH SWITCH	
	SW452	ESP0001-007	PUSH SWITCH	
	SW453	ESP0001-007	PUSH SWITCH	
	SW454	ESP0001-007	PUSH SWITCH	
	SW455	ESP0001-007	PUSH SWITCH	
	SW456	ESP0001-007	PUSH SWITCH	
	SW457	ESP0001-007	PUSH SWITCH	
	SW458	ESP0001-007	PUSH SWITCH	
	SW459	ESP0001-007	PUSH SWITCH	
	SW460	ESP0001-007	PUSH SWITCH	
	SW461	ESP0001-007	PUSH SWITCH	
	SW462	ESP0001-007	PUSH SWITCH	
	SW463	ESP0001-007	PUSH SWITCH	
	SW464	ESP0001-007	PUSH SWITCH	
	SW471	ESP0001-007	PUSH SWITCH	
	SW472	ESP0001-007	PUSH SWITCH	
	SW473	ESP0001-007	PUSH SWITCH	
	SW474	ESP0001-007	PUSH SWITCH	
	SW475	ESP0001-007	PUSH SWITCH	
	SW476	ESP0001-007	PUSH SWITCH	
	SW477	ESP0001-007	PUSH SWITCH	
	SW478	ESP0001-007	PUSH SWITCH	
	SW479	ESP0001-007	PUSH SWITCH	
	SW481	ESP0001-007	PUSH SWITCH	
	SW482	ESP0001-007	PUSH SWITCH	
	SW483	ESP0001-007	PUSH SWITCH	
	SW484	ESP0001-007	PUSH SWITCH	
	SW485	ESP0001-007	PUSH SWITCH	
	SW486	ESP0001-007	PUSH SWITCH	
	SW487	ESP0001-007	PUSH SWITCH	
	SW488	ESP0001-007	PUSH SWITCH	

Others

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	SW489	ESP0001-007	PUSH SWITCH	
	SW490	ESP0001-007	PUSH SWITCH	
	SW491	ESP0001-007	PUSH SWITCH	
	SW492	ESP0001-007	PUSH SWITCH	
	SW493	ESP0001-007	PUSH SWITCH	

Others

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	SW499	ESP0001-007	PUSH SWITCH	
	XT421	ECX0007-200KC	X.TAL	
	XT441	ECX0004-190KU	.CERA.RESONATOR	
	XT461	ECX0007-200KM	RESONATOR	

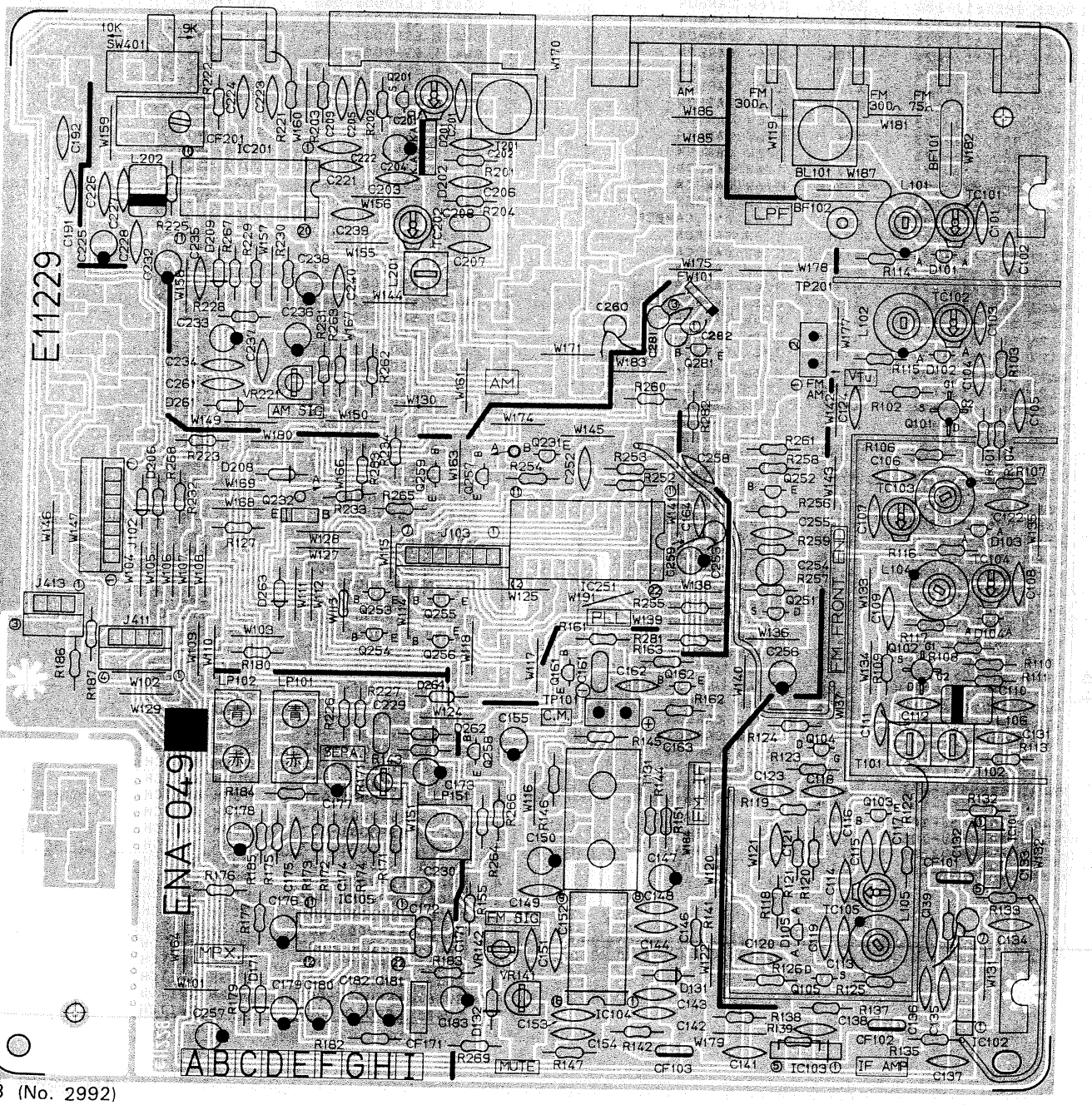
■ ENA-049☐ Tuner PC Board Ass'y

Note: ENA-049☐ Varies according to the area employed. See note (1) when placing an order.

Note (1)

PC Board Ass'y	Designated Areas
ENA-049 [A]	U.S.A. & Canada
ENA-049 [C]	U.S. Military Market & Other Countries

PC Board Ass'y	Designated Areas
ENA-049 [D]	Australia
ENA-049 [E]	Europe & U.K.
ENA-049 [F]	West Germany



Transitors

⚠	ITEM	PART NUMBER	DESCRIPTION	MAKER	AREA
	Q101	3SK114(O)	F.E.T	TOSHIBA	
	Q102	3SK114(O)	F.E.T	TOSHIBA	
	Q103	2SC461(C)	SILICON	HITACHI	
	Q104	2SK606(Q,R)	F.E.T	MATSUSHITA	
	Q105	2SK168(E,F)	F.E.T	HITACHI	
	Q161	DTC114YN	SILICON	ROHM	
	Q162	2SC535(B,C)	SILICON	HITACHI	
	Q201	2SK301(Q,R)	F.E.T	MATSUSHITA	
	Q231	DTC114YN	SILICON	ROHM	
	Q232	DTC144EFF	SILICON	ROHM	
	Q251	2SK301(Q1)	F.E.T	MATSUSHITA	
	Q252	2SC458(D)	SILICON	HITACHI	
	Q253	DTC114YN	SILICON	ROHM	
	Q254	DTA114YN	SILICON	ROHM	A
	Q254	DTA114YN	SILICON	ROHM	C
	Q254	DTA114YN	SILICON	ROHM	D
	Q254	2SB562(C)	SILICON	HITACHI	E
	Q254	2SB562(C)	SILICON	HITACHI	F
	Q255	DTC114YN	SILICON	ROHM	
	Q256	DTA114YN	SILICON	ROHM	
	Q257	DTC114YN	SILICON	ROHM	
	Q258	DTC114YN	SILICON	ROHM	
	Q259	2SC1685(R,S)	SILICON	MATSUSHITA	
	Q281	2SC1685(R,S)	SILICON	MATSUSHITA	A

ICs

⚠	ITEM	PART NUMBER	DESCRIPTION	MAKER	AREA
	IC101	BA401	I.C.	ROHM	
	IC102	UPC1163H	I.C.	NEC	
	IC103	BA401	I.C.	ROHM	
	IC104	LA1235B	I.C.	SANYO	
	IC105	LA3401	I.C.	SANYO	
	IC201	LA1245	I.C.	SANYO	
	IC251	TC9171P	I.C.	TOSHIBA	

Diodes

⚠	ITEM	PART NUMBER	DESCRIPTION	MAKER	AREA
	D101	KV1320	SILICON	TOKO	
	D102	KV1320	SILICON	TOKO	
	D103	KV1320	SILICON	TOKO	
	D104	KV1320	SILICON	TOKO	
	D105	KV1320	SILICON	TOKO	
	D131	1S2473	SILICON	ROHM	
	D132	1S2473	SILICON	ROHM	
	D171	1S2473	SILICON	ROHM	
	D201	KV1226	SILICON	TOKO	
	D202	KV1226	SILICON	TOKO	
	D206	1S2473	SILICON	ROHM	
	D208	1S2473	SILICON	ROHM	
	D209	1SS108	SILICON	HITACHI	
	D261	1S2473	SILICON	ROHM	
	D262	1S2473	SILICON	ROHM	
	D263	1S2473	SILICON	ROHM	
	D264	1S2473	SILICON	ROHM	

Capacitors

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
	C101	QCS21HJ-5R0	5.0PF	50V	CERAMIC	
	C102	QCS21HJ-1R0	1.0PF	50V	CERAMIC	
	C104	QCS21HJ-470	47PF	50V	CERAMIC	
	C105	QCF21HP-102	1000PF	50V	CERAMIC	
	C106	QCF21HP-102	1000PF	50V	CERAMIC	
	C107	QCS21HJ-5R0	5.0PF	50V	CERAMIC	
	C108	QCS21HJ-5R0	5.0PF	50V	CERAMIC	
	C109	QCS21HJ-220	22PF	50V	CERAMIC	F
	C109	QCS21HJ-470	47PF	50V	CERAMIC	A
	C109	QCS21HJ-470	47PF	50V	CERAMIC	C

Capacitors

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
	C109	QCS21HJ-470	47PF	50V	CERAMIC	D
	C109	QCS21HJ-470	47PF	50V	CERAMIC	E
	C110	QCS21HJ-151	150PF	50V	CERAMIC	
	C111	QCF21HP-103	0.01MF	50V	CERAMIC	
	C112	QCS21HJ-470	47PF	50V	CERAMIC	
	C113	QCT26TH-7R0	7.0PF	50V	CERAMIC	
	C114	QCT26CH-7R0	7.0PF	50V	CERAMIC	
	C115	QCF21HP-103	0.01MF	50V	CERAMIC	
	C116	QCT26TH-330	33PF	50V	CERAMIC	
	C117	QCT26TH-2R0	2.0PF	50V	CERAMIC	
	C118	QCS21HJ-100	10PF	50V	CERAMIC	
	C119	QCS21HJ-2R0	2.0PF	50V	CERAMIC	
	C120	QCF21HP-103	0.01MF	50V	CERAMIC	
	C121	QCC21EM-473	0.047MF	25V	CERAMIC	
	C122	QCF21HP-103	0.01MF	50V	CERAMIC	
	C123	QCF21HP-103	0.01MF	50V	CERAMIC	
	C124	QCC21EM-473	0.047MF	25V	CERAMIC	
	C131	QCF21HP-103	0.01MF	50V	CERAMIC	
	C132	QCF21HP-223	0.022MF	50V	CERAMIC	
	C133	QCF21HP-223	0.022MF	50V	CERAMIC	
	C134	QCF21HP-223	0.022MF	50V	CERAMIC	
	C135	QCF21HP-223	0.022MF	50V	CERAMIC	
	C136	QCF21HP-223	0.022MF	50V	CERAMIC	
	C137	QCF21HP-223	0.022MF	50V	CERAMIC	
	C138	QCF21HP-223	0.022MF	50V	CERAMIC	
	C139	QCF21HP-223	0.022MF	50V	CERAMIC	
	C140	QETB1CM-227	220MF	16V	ELECTRO	
	C141	QCF21HP-223	0.022MF	50V	CERAMIC	
	C142	QCF21HP-473	0.047MF	50V	CERAMIC	
	C143	QCF21HP-223	0.022MF	50V	CERAMIC	
	C144	QCF21HP-473	0.047MF	50V	CERAMIC	
	C146	QCS21HJ-101	100PF	50V	CERAMIC	
	C147	QETB1HM-105	1MF	50V	ELECTRO	
	C148	QCF21HP-223	0.022MF	50V	CERAMIC	
	C149	QCF21HP-223	0.022MF	50V	CERAMIC	
	C150	QETB1HM-106	10MF	50V	ELECTRO	
	C151	QCF21HP-223	0.022MF	50V	CERAMIC	
	C152	QCC21EM-473	0.047MF	25V	CERAMIC	
	C153	QCF21HP-223	0.022MF	50V	CERAMIC	
	C154	QCF21HP-223	0.022MF	50V	CERAMIC	
	C155	QETB1HM-475	4.7MF	50V	ELECTRO	
	C161	QFN81HK-152	1500PF	50V	MYLAR	
	C162	QCS21HJ-330	33PF	50V	CERAMIC	
	C163	QCF21HP-223	0.022MF	50V	CERAMIC	
	C164	QCS21HJ-470	47PF	50V	CERAMIC	
	C171	QCF21HP-102	1000PF	50V	CERAMIC	
	C172	QFN81HK-473	0.047MF	50V	MYLAR	
	C173	QETB1EM-106	10MF	25V	ELECTRO	
	C174	QCS21HJ-561	560PF	50V	CERAMIC	A
	C174	QCS21HJ-561	560PF	50V	CERAMIC	C
	C174	QCY21HK-271	270PF	50V	CERAMIC	D
	C174	QCY21HK-271	270PF	50V	CERAMIC	E
	C174	QCY21HK-271	270PF	50V	CERAMIC	F
	C175	QCS21HJ-561	560PF	50V	CERAMIC	A
	C175	QCS21HJ-561	560PF	50V	CERAMIC	C
	C175	QCY21HK-271	270PF	50V	CERAMIC	D
	C175	QCY21HK-271	270PF	50V	CERAMIC	E
	C175	QCY21HK-271	270PF	50V	CERAMIC	F
	C176	QETB1HM-225	2.2MF	50V	ELECTRO	
	C177	QETB1HM-475	4.7MF	50V	ELECTRO	
	C178	QETB1HM-475	4.7MF	50V	ELECTRO	
	C179	QETB1HM-105	1MF	50V	ELECTRO	
	C180	QETB1HM-105	1MF	50V	ELECTRO	
	C181	QEB51EM-335	3.3MF	25V	L.L.C.E.	
	C182	QEB51HM-224	0.22MF	50V	L.L.C.E.	
	C183	QETB1CM-476	47MF	16V	ELECTRO	
	C191	QCS21HJ-331	330PF	50V	CERAMIC	A
	C191	QCS21HJ-331	330PF	50V	CERAMIC	D
	C191	QCS21HJ-331	330PF	50V	CERAMIC	E
	C191	QCS21HJ-331	330PF	50V	CERAMIC	F
	C192	QCS21HJ-331	330PF	50V	CERAMIC	A
	C192	QCS21HJ-331	330PF	50V	CERAMIC	D
	C192	QCS21HJ-331	330PF	50V	CERAMIC	E
	C192	QCS21HJ-331	330PF	50V	CERAMIC	F
	C193	QCS21HJ-331	330PF	50V	CERAMIC	C
	C194	QCS21HJ-331	330PF	50V	CERAMIC	C
	C202	QCF21HP-473	0.047MF	50V	CERAMIC	
	C203	QCF21HP-223	0.022MF	50V	CERAMIC	
	C204	QETB1CM-107	100MF	16V	ELECTRO	
	C205	QCS21HJ-561	560PF	50V	CERAMIC	
	C206	QCS21HJ-7R0	7.0PF	50V	CERAMIC	
	C207	QCT26CH-330	33PF	50V	CERAMIC	
	C208	QFP81HJ-431	430PF	50V	POLY	
	C209	QCF21HP-223	0.022MF	50V	CERAMIC	
	C221	QCF21HP-102	1000PF	50V	CERAMIC	

Capacitors

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
	C222	QCF21HP-473	0.047MF	50V	CERAMIC	
	C223	QCF21HP-223	0.022MF	50V	CERAMIC	
	C224	QCF21HP-223	0.022MF	50V	CERAMIC	
	C225	QETB1EM-106	10MF	25V	ELECTRO	
	C226	QCF21HP-223	0.022MF	50V	CERAMIC	
	C227	QCS21HJ-121	120PF	50V	CERAMIC	
	C228	QCF21HP-102	1000PF	50V	CERAMIC	
	C229	QFN81HK-102	1000PF	50V	MYLAR	
	C230	QFN81HK-223	0.022MF	50V	MYLAR	
	C232	QETB1EM-106	10MF	25V	ELECTRO	
	C233	QETB1HM-105	1MF	50V	ELECTRO	
	C234	QCF21HP-223	0.022MF	50V	CERAMIC	
	C235	QCF21HP-223	0.022MF	50V	CERAMIC	
	C236	QETB1HM-105	1MF	50V	ELECTRO	
	C237	QCF21HP-223	0.022MF	50V	CERAMIC	
	C238	QETB1HM-475	4.7MF	50V	ELECTRO	
	C239	QCF21HP-473	0.047MF	50V	CERAMIC	
	C240	QCF21HP-102	1000PF	50V	CERAMIC	
	C252	QCS21HJ-101	100PF	50V	CERAMIC	
	C253	QETB1EM-107	100MF	25V	ELECTRO	
	C254	QEN51HM-225	2.2MF	50V	NON POLE	
	C255	QCF21HP-102	1000PF	50V	CERAMIC	
	C256	QETB1VM-107	100MF	35V	ELECTRO	
	C257	QETB1HM-105	1MF	50V	ELECTRO	
	C258	QCC21EM-473	0.047MF	25V	CERAMIC	
	C259	QCF21HP-102	1000PF	50V	CERAMIC	A
	C260	QCS21HJ-101	100PF	50V	CERAMIC	A
	C261	QCF21HP-223	0.022MF	50V	CERAMIC	
	C281	QCF21HP-102	1000PF	50V	CERAMIC	A
	C282	QCF21HP-102	1000PF	50V	CERAMIC	A
	TC101	ENZ1003-003			TRIMMER	
	TC102	ENZ1003-003			TRIMMER	
	TC103	ENZ1003-003			TRIMMER	
	TC104	ENZ1003-003			TRIMMER	
	TC105	ENZ1003-003			TRIMMER	
	TC201	ENZ1003-002			TRIMMER	
	TC202	ENZ1003-002			TRIMMER	

Resistors

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
	R101	QRD148J-683S	68K	1/4W	CARBON	
	R102	QRD148J-103S	10K	1/4W	CARBON	
	R103	QRD148J-223S	22K	1/4W	CARBON	
	R104	QRD148J-563S	56K	1/4W	CARBON	
	R106	QRD148J-100S	10	1/4W	CARBON	
	R107	QRD148J-101S	100	1/4W	CARBON	
	R108	QRD148J-224S	220K	1/4W	CARBON	
	R109	QRD148J-223S	22K	1/4W	CARBON	
	R110	QRD148J-224S	220K	1/4W	CARBON	
	R111	QRD148J-153S	15K	1/4W	CARBON	F
	R111	QRD148J-223S	22K	1/4W	CARBON	A
	R111	QRD148J-223S	22K	1/4W	CARBON	C
	R111	QRD148J-223S	22K	1/4W	CARBON	D
	R111	QRD148J-223S	22K	1/4W	CARBON	E
	R113	QRD148J-181S	180	1/4W	CARBON	
	R114	QRD148J-473S	47K	1/4W	CARBON	
	R115	QRD148J-473S	47K	1/4W	CARBON	
	R116	QRD148J-473S	47K	1/4W	CARBON	
	R117	QRD148J-473S	47K	1/4W	CARBON	
	R118	QRD148J-562S	5.6K	1/4W	CARBON	
	R119	QRD148J-101S	100	1/4W	CARBON	
	R120	QRD148J-123S	12K	1/4W	CARBON	
	R121	QRD148J-223S	22K	1/4W	CARBON	
	R122	QRD148J-152S	1.5K	1/4W	CARBON	
	R123	QRD148J-224S	220K	1/4W	CARBON	
	R124	QRD148J-331S	330	1/4W	CARBON	
	R125	QRD148J-224S	220K	1/4W	CARBON	
	R126	QRD148J-331S	330	1/4W	CARBON	
⚠	R127	QRD145J-330S	33	1/4W	UNF.CARBON	A
⚠	R127	QRD145J-330S	33	1/4W	UNF.CARBON	C
⚠	R127	QRD145J-330S	33	1/4W	UNF.CARBON	D
⚠	R127	QRZ0062-330	33	1/4W	FUSIBLE	E
⚠	R127	QRZ0062-330	33	1/4W	FUSIBLE	F
	R132	QRD148J-102S	1K	1/4W	CARBON	
	R133	QRD148J-331S	330	1/4W	CARBON	
	R134	QRD148J-331S	330	1/4W	CARBON	
	R135	QRD148J-331S	330	1/4W	CARBON	
	R137	QRD148J-331S	330	1/4W	CARBON	
	R138	QRD148J-331S	330	1/4W	CARBON	
	R139	QRD148J-102S	1K	1/4W	CARBON	

⚠ : SAFETY PARTS

Resistors

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
	R141	QRD148J-103S	10K	1/4W	CARBON	
	R142	QRD148J-331S	330	1/4W	CARBON	
	R143	QRD148J-123S	12K	1/4W	CARBON	
	R144	QRD148J-103S	10K	1/4W	CARBON	A
	R144	QRD148J-103S	10K	1/4W	CARBON	C
	R144	QRD148J-183S	18K	1/4W	CARBON	D
	R144	QRD148J-183S	18K	1/4W	CARBON	E
	R144	QRD148J-183S	18K	1/4W	CARBON	F
	R145	QRD148J-821S	820	1/4W	CARBON	
	R146	QRD148J-332S	3.3K	1/4W	CARBON	
	R147	QRD148J-473S	47K	1/4W	CARBON	
⚠	R155	QRD145J-680S	68	1/4W	UNF.CARBON	A
⚠	R155	QRD145J-680S	68	1/4W	UNF.CARBON	C
⚠	R155	QRD145J-680S	68	1/4W	UNF.CARBON	D
⚠	R155	QRZ0062-680	68	1/4W	FUSIBLE	E
⚠	R155	QRZ0062-680	68	1/4W	FUSIBLE	F
	R161	QRD148J-224S	220K	1/4W	CARBON	
	R162	QRD148J-332S	3.3K	1/4W	CARBON	
	R163	QRD148J-681S	680	1/4W	CARBON	
	R171	QRD148J-103S	10K	1/4W	CARBON	
	R172	QRD148J-134S	130K	1/4W	CARBON	A
	R172	QRD148J-134S	130K	1/4W	CARBON	C
	R172	QRD148J-184S	180K	1/4W	CARBON	D
	R172	QRD148J-184S	180K	1/4W	CARBON	E
	R172	QRD148J-184S	180K	1/4W	CARBON	F
	R173	QRD148J-134S	130K	1/4W	CARBON	A
	R173	QRD148J-134S	130K	1/4W	CARBON	C
	R173	QRD148J-184S	180K	1/4W	CARBON	D
	R173	QRD148J-184S	180K	1/4W	CARBON	E
	R173	QRD148J-184S	180K	1/4W	CARBON	F
	R174	QRD148J-184S	180K	1/4W	CARBON	A
	R174	QRD148J-184S	180K	1/4W	CARBON	C
	R174	QRD148J-224S	220K	1/4W	CARBON	D
	R174	QRD148J-224S	220K	1/4W	CARBON	E
	R174	QRD148J-224S	220K	1/4W	CARBON	F
	R175	QRD148J-184S	180K	1/4W	CARBON	A
	R175	QRD148J-184S	180K	1/4W	CARBON	C
	R175	QRD148J-224S	220K	1/4W	CARBON	D
	R175	QRD148J-224S	220K	1/4W	CARBON	E
	R175	QRD148J-224S	220K	1/4W	CARBON	F
	R176	QRD148J-103S	10K	1/4W	CARBON	
	R177	QRD148J-103S	10K	1/4W	CARBON	
	R179	QRD148J-103S	10K	1/4W	CARBON	
	R180	QRD148J-123S	12K	1/4W	CARBON	
	R182	QRD148J-332S	3.3K	1/4W	CARBON	
⚠	R183	QRD145J-680S	68	1/4W	UNF.CARBON	A
⚠	R183	QRD145J-680S	68	1/4W	UNF.CARBON	C
⚠	R183	QRD145J-680S	68	1/4W	UNF.CARBON	D
⚠	R183	QRZ0062-680	68	1/4W	FUSIBLE	E
⚠	R183	QRZ0062-680	68	1/4W	FUSIBLE	F
	R184	QRD148J-332S	3.3K	1/4W	CARBON	
	R185	QRD148J-332S	3.3K	1/4W	CARBON	
	R186	QRD148J-682S	6.8K	1/4W	CARBON	
	R187	QRD148J-682S	6.8K	1/4W	CARBON	
	R201	QRD148J-223S	22K	1/4W	CARBON	
	R202	QRD148J-331S	330	1/4W	CARBON	
	R204	QRD148J-473S	47K	1/4W	CARBON	
	R222	QRD148J-102S	1K	1/4W	CARBON	
	R223	QRD148J-151S	150	1/4W	CARBON	
	R225	QRD148J-331S	330	1/4W	CARBON	A
	R225	QRD148J-561S	560	1/4W	CARBON	C
	R225	QRD148J-561S	560	1/4W	CARBON	D
	R225	QRD148J-561S	560	1/4W	CARBON	E
	R225	QRD148J-561S	560	1/4W	CARBON	F
	R226	QRD148J-103S	10K	1/4W	CARBON	
	R227	QRD148J-393S	39K	1/4W	CARBON	
	R228	QRD148J-103S	10K	1/4W	CARBON	
	R229	QRD148J-820S	82	1/4W	CARBON	
	R230	QRD148J-103S	10K	1/4W	CARBON	
	R231	QRD148J-102S	1K	1/4W	CARBON	
⚠	R232	QRD145J-680S	68	1/4W	UNF.CARBON	A
⚠	R232	QRD145J-680S	68	1/4W	UNF.CARBON	C
⚠	R232	QRD145J-680S	68	1/4W	UNF.CARBON	D
⚠	R232	QRZ0062-680	68	1/4W	FUSIBLE	E
⚠	R232	QRZ0062-680	68	1/4W	FUSIBLE	F
⚠	R233	QRD145J-103S	10K	1/4W	UNF.CARBON	
⚠	R234	QRD145J-680S	68	1/4W	UNF.CARBON	A
⚠	R234	QRD145J-680S	68	1/4W	UNF.CARBON	C
⚠	R234	QRD145J-680S	68	1/4W	UNF.CARBON	D
⚠	R234	QRZ0062-680	68	1/4W	FUSIBLE	E
⚠	R234	QRZ0062-680	68	1/4W	FUSIBLE	F
	R235	QRD148J-100S	10	1/4W	CARBON	
	R251	QRD148J-103S	10K	1/4W	CARBON	E
	R251	QRD148J-103S	10K	1/4W	CARBON	F
	R252	QRD148J-473S	47K	1/4W	CARBON	

⚠ : SAFETY PARTS

Resistors

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
	R253	QRD148J-103S	10K	1/4W	CARBON	
	R254	QRD148J-472S	4.7K	1/4W	CARBON	
	R255	QRD148J-102S	1K	1/4W	CARBON	
	R256	QRD148J-271S	270	1/4W	CARBON	
	R257	QRD148J-222S	2.2K	1/4W	CARBON	
	R258	QRD148J-682S	6.8K	1/4W	CARBON	
	R259	QRD148J-392S	3.9K	1/4W	CARBON	
⚠	R260	QRD145J-680S	68	1/4W	UNF.CARBON	A
⚠	R260	QRD145J-680S	68	1/4W	UNF.CARBON	C
⚠	R260	QRD145J-680S	68	1/4W	UNF.CARBON	D
⚠	R260	QRZ0062-680	68	1/4W	FUSIBLE	E
⚠	R260	QRZ0062-680	68	1/4W	FUSIBLE	F
	R261	QRD148J-222S	2.2K	1/4W	CARBON	
	R262	QRD148J-224S	220K	1/4W	CARBON	
	R263	QRD148J-223S	22K	1/4W	CARBON	
	R264	QRD148J-333S	33K	1/4W	CARBON	
	R265	QRD148J-103S	10K	1/4W	CARBON	
	R266	QRD148J-103S	10K	1/4W	CARBON	
	R267	QRD148J-682S	6.8K	1/4W	CARBON	
	R268	QRD148J-104S	100K	1/4W	CARBON	
	R269	QRD148J-473S	47K	1/4W	CARBON	
	R281	QRD148J-103S	10K	1/4W	CARBON	A
	R282	QRD148J-101S	100	1/4W	CARBON	A
⚠	R283	QRD145J-680S	68	1/4W	UNF.CARBON	A
	VR141	QVZ3518-223	22K		VARIABLE	
	VR142	QVZ3518-473	47K		VARIABLE	
	VR171	QVZ3518-473	47K		VARIABLE	
	VR221	QVZ3518-472	4.7K		VARIABLE	

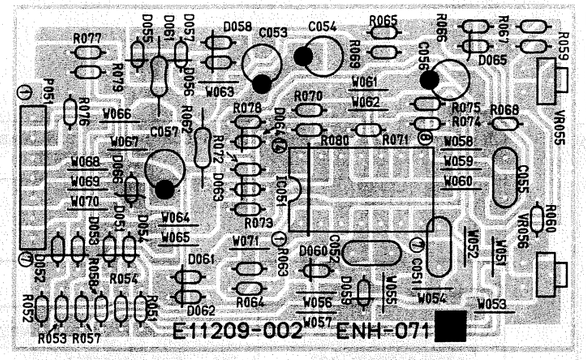
⚠ : SAFETY PARTS

Others

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
		EMB01YV-401K	ANT.TERMINAL	B
		EMB01YV-401K	ANT.TERMINAL	C
		EMB01YV-401K	ANT.TERMINAL	D
		EMB01YV-401K	ANT.TERMINAL	E
		EMB01YV-401K	ANT.TERMINAL	
		EMB01YV-402K	ANT.TERMINAL	F

■ ENH-071☐ Switching Regulator PC Board Ass'y

Note: ENH-071☐ Varies according to the area employed. See note (1) when placing an order.



Note (1)

PC Board Ass'y	Designated Areas
ENH-071 [A]	Except U.S.A. & Canada
ENH-071 [E]	U.S.A. & Canada

Others

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
		EMB10YV-201K	ANT.TERMINAL	A
		EWPG01-101	CORD ASSY	A
		E11229-004	C.BOARD	
		E304173-002	SHIELD CASE	
		E67883-001	SHIELD PLATE	
		E70225-002	EARTH PLATE	
		E70859-001	EARTH PLATE	
		E72108-001	SHIELD CASE	
	J102	EMV7112-007	SOCKET	
	J103	EMV7112-007	SOCKET	
	J411	EMV7112-004	SOCKET	
	J413	EMV7112-003	SOCKET	C
	L101	EQR2304-016	RF COIL	
	L102	EQR2304-015	RF COIL	
	L103	EQR2304-013	RF COIL	
	L104	EQR2304-013	RF COIL	
	L105	EQR2404-004	RF COIL	
	L106	EQL3001-1R5KY	INDUCTOR	
	L201	EQR1207-012	RF COIL	
	L202	EQL3001-102KY	INDUCTOR	
	T101	EQT2121-006	I.F.TRANSFORMER	
	T102	EQT2121-007	I.F.TRANSFORMER	
	T131	EQT2140-003	I.F.TRANSFORMER	
	T201	EQR1111-006	RF COIL	
	CF101	ECB2125-004R	CERAMIC FILTER	
	CF102	ECB2123-003R	CERAMIC FILTER	
	CF103	ECB2118-004R	CERAMIC FILTER	E
	CF103	ECB2118-004R	CERAMIC FILTER	F
	CF103	ECB2125-003R	CERAMIC FILTER	A
	CF103	ECB2125-003R	CERAMIC FILTER	C
	CF103	ECB2125-003R	CERAMIC FILTER	D
	CF171	ECX0000-456KR	RESONATOR	
	CF201	ECB1560-002	CERAMIC FILTER	
	LP101	EQF0101-006	FILTER	
	LP102	EQF0101-006	FILTER	
	LP151	EQF0102-001	FILTER	F
	SW401	QSS6A12-E01	SLIDE SWITCH	C
	TP101	E67764-002	TERMINAL ASSY	
	TP201	E67764-002	TERMINAL ASSY	

Diodes

⚠	ITEM	PART NUMBER	DESCRIPTION	MAKER	AREA
	D051	1SS133	SILICON	ROHM	A
	D052	1SS133	SILICON	ROHM	A
	D053	1SS133	SILICON	ROHM	A
	D054	1SS133	SILICON	ROHM	A
	D055	1SS147	SILICON	ROHM	
	D056	1SS147	SILICON	ROHM	
	D057	1SS147	SILICON	ROHM	
	D058	1SS147	SILICON	ROHM	
	D059	1SS133	SILICON	ROHM	A
	D060	1SS133	SILICON	ROHM	A
	D061	1SS133	SILICON	ROHM	A
	D062	1SS133	SILICON	ROHM	A
	D063	1SS133	SILICON	ROHM	
	D064	1SS133	SILICON	ROHM	
	D065	MTZ11C	ZENER	ROHM	
	D066	MTZ15JC	ZENER		

ICs

⚠	ITEM	PART NUMBER	DESCRIPTION	MAKER	AREA
	IC051	AN6912	I.C.	MATSUSHITA	

Capacitors

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
	C051	QFN81HJ-103	0.01MF	50V	MYLAR	A
	C052	QFN81HJ-103	0.01MF	50V	MYLAR	A
	C053	QETB2AM-105	1MF	100V	ELECTRO	
	C054	QETB2AM-225	2.2MF	100V	ELECTRO	
	C055	QFN81HJ-103	0.01MF	50V	MYLAR	
	C056	QETB1EM-476	47MF	25V	ELECTRO	
	C057	QETB1HM-225	2.2MF	50V	ELECTRO	

Resistors

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
	R051	QRD161J-473	47K	1/6W	CARBON	A
	R052	QRD161J-473	47K	1/6W	CARBON	A
	R053	QRD161J-473	47K	1/6W	CARBON	A
	R054	QRD161J-473	47K	1/6W	CARBON	A
	R057	QRD161J-472	4.7K	1/6W	CARBON	A
	R058	QRD161J-472	4.7K	1/6W	CARBON	A
	R059	QRD161J-272	2.7K	1/6W	CARBON	A
	R060	QRD161J-272	2.7K	1/6W	CARBON	A
⚠	R061	QRD145J-101S	100	1/4W	UNF.CARBON	
⚠	R062	QRD145J-101S	100	1/4W	UNF.CARBON	

⚠ : SAFETY PARTS

Resistors

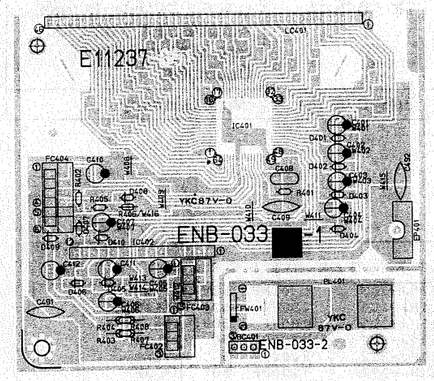
⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
	R063	QRD161J-153	15K	1/6W	CARBON	A
	R064	QRD161J-153	15K	1/6W	CARBON	A
	R065	QRD161J-223	22K	1/6W	CARBON	
	R066	QRD161J-563	56K	1/6W	CARBON	
	R067	QRD161J-473	47K	1/6W	CARBON	
	R068	QRD161J-153	15K	1/6W	CARBON	
	R069	QRD161J-823	82K	1/6W	CARBON	
	R070	QRD161J-271	270	1/6W	CARBON	
	R071	QRD161J-914	910K	1/6W	CARBON	
	R072	QRD161J-472	4.7K	1/6W	CARBON	
	R073	QRD161J-472	4.7K	1/6W	CARBON	
	R074	QRD161J-154	150K	1/6W	CARBON	
	R075	QRD161J-472	4.7K	1/6W	CARBON	
	R076	QRD161J-103	10K	1/6W	CARBON	
	R077	QRD161J-224	220K	1/6W	CARBON	
	R078	QRD161J-474	470K	1/6W	CARBON	
	R079	QRD161J-474	470K	1/6W	CARBON	
	R080	QRD161J-914	910K	1/6W	CARBON	
	VR055	QVPC603-472			VARIABLE	A

Others

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
		E11209-002	CIRCUIT BOARD	
	P051	EMV5101-007B	PLUG ASSY	

■ ENB-033☐ LCD Display PC Board Ass'y

Note: ENB-033☐ Varies according to the area employed. See note (1) when placing an order.



Note (1)

PC Board Ass'y	Designated Areas
ENB-033 [J]	U.S.A., Canada U.S. Military Market & Other Countries
ENB-033 [K]	Europe, Australia, U.K. & West Germany

ICs

⚠	ITEM	PART NUMBER	DESCRIPTION	MAKER	AREA
	IC401	LC7560	I.C.	SANYO	
	IC402	7EL-SPI-001	I.C.		

Diodes

⚠	ITEM	PART NUMBER	DESCRIPTION	MAKER	AREA
	D401	1SS133	SILICON	ROHM	
	D402	1SS133	SILICON	ROHM	
	D403	1SS133	SILICON	ROHM	
	D404	1SS133	SILICON	ROHM	
	D405	1SS133	SILICON	ROHM	
	D406	1SS133	SILICON	ROHM	
	D407	1SS133	SILICON	ROHM	
	D408	1SS133	SILICON	ROHM	

Capacitors

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
	C401	QETB1HM-474	0.47MF	50V	ELECTRO	
	C402	QETB1HM-474	0.47MF	50V	ELECTRO	
	C403	QETB1HM-474	0.47MF	50V	ELECTRO	
	C404	QETB1HM-474	0.47MF	50V	ELECTRO	
	C405	QETB1HM-474	0.47MF	50V	ELECTRO	
	C406	QETB1HM-474	0.47MF	50V	ELECTRO	
	C407	QETB1HM-474	0.47MF	50V	ELECTRO	
	C408	QFN81HJ-103	0.01MF	50V	MYLAR	
	C409	QCF21HP-223	0.022MF	50V	CERAMIC	
	C410	QETB1HM-475	4.7MF	50V	ELECTRO	
	C411	QETB1EM-106	10MF	25V	ELECTRO	
	C412	QETB1CM-476	47MF	16V	ELECTRO	

Resistors

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
	R401	QRD161J-273	27K	1/6W	CARBON	
	R402	QRD161J-471	470	1/6W	CARBON	
⚠	R403	QRD145J-560S	56	1/4W	UNF.CARBON	J
⚠	R403	QRZ0062-560	56	1/4W	FUSIBLE	K
⚠	R404	QRD145J-560S	56	1/4W	UNF.CARBON	J

⚠ : SAFETY PARTS

Resistors

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
⚠	R404	QRZ0062-560	56	1/4W	FUSIBLE	K
	R405	QRD161J-121	120	1/6W	CARBON	

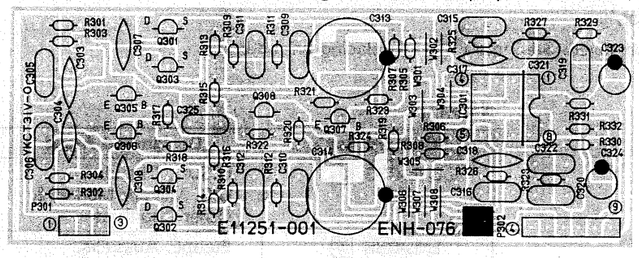
⚠ : SAFETY PARTS

Others

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
		E11237-002	CIR.BOARD	
		E45524-002	FUSE CLIP	
	FC402	EMV7112-003	SOCKET	
	FC403	EMV7112-003	SOCKET	
	FC404	EMV7112-006	SOCKET	
	LC401	ELU0002-033	LCD PANEL	

■ ENH-076☐ Equalizer PC PC Board Ass'y

Note: ENH-076☐ Varies according to the area employed. See note (1) when placing an order.



Note (1)

PC Board Ass'y	Designated Areas
ENH-076 [A]	U.S.A., Canada, Europe, Autralia, U.K., U.S. Military Market & Other Countries
ENH-076 [B]	West Germany

Transistors

⚠	ITEM	PART NUMBER	DESCRIPTION		AREA
				MAKER	
	Q301	2SK170(BL)	F.E.T	TOSHIBA	
	Q302	2SK170(BL)	F.E.T	TOSHIBA	
	Q303	2SK170(BL)	F.E.T	TOSHIBA	
	Q304	2SK170(BL)	F.E.T	TOSHIBA	
	Q305	2SD655(E,F)	SILICON	HITACHI	
	Q306	2SD655(E,F)	SILICON	HITACHI	
	Q307	2SD655(E,F)	SILICON	HITACHI	
	Q308	2SD655(E,F)	SILICON	HITACHI	

ICs

⚠	ITEM	PART NUMBER	DESCRIPTION		AREA
				MAKER	
	IC301	NJM4560DD	I.C.		

Capacitors

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
	C303	QCS21HJ-331	330PF	50V	CERAMIC	B
	C303	QCS21HJ-470	47PF	50V	CERAMIC	A
	C304	QCS21HJ-331	330PF	50V	CERAMIC	B
	C304	QCS21HJ-470	47PF	50V	CERAMIC	A
	C305	QFN81HJ-103	0.01MF	50V	MYLAR	

Capacitors

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
	C306	QFN81HJ-103	0.01MF	50V	MYLAR	
	C307	QCS21HJ-101	100PF	50V	CERAMIC	
	C308	QCS21HJ-101	100PF	50V	CERAMIC	
	C309	QFN81HJ-822	8200PF	50V	MYLAR	
	C310	QFN81HJ-822	8200PF	50V	MYLAR	
	C311	QFN81HJ-392	3900PF	50V	MYLAR	
	C312	QFN81HJ-392	3900PF	50V	MYLAR	
	C313	QETBOJM-228	2200MF	6.3V	ELECTRO	
	C314	QETBOJM-228	2200MF	6.3V	ELECTRO	
	C315	QFN81HJ-472	4700PF	50V	MYLAR	
	C316	QFN81HJ-472	4700PF	50V	MYLAR	
	C317	QCS21HJ-331	330PF	50V	CERAMIC	
	C318	QCS21HJ-331	330PF	50V	CERAMIC	
	C319	QFN81HJ-153	0.015MF	50V	MYLAR	
	C320	QFN81HJ-153	0.015MF	50V	MYLAR	
	C321	QFN81HJ-272	2700PF	50V	MYLAR	
	C322	QFN81HJ-272	2700PF	50V	MYLAR	
	C323	QEK61HM-475	4.7MF	50V	ELECTRO	
	C324	QEK61HM-475	4.7MF	50V	ELECTRO	
	C325	QFN81HJ-104	0.1MF	50V	MYLAR	

Resistors

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
	R301	QRD161J-5R6	5.6	1/6W	CARBON	
	R302	QRD161J-5R6	5.6	1/6W	CARBON	
	R303	QRD161J-101	100	1/6W	CARBON	
	R304	QRD161J-101	100	1/6W	CARBON	
	R305	QRD161J-562	5.6K	1/6W	CARBON	

Resistors

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
	R306	QRD161J-562	5.6K	1/6W	CARBON	
	R307	QRD161J-562	5.6K	1/6W	CARBON	
	R308	QRD161J-562	5.6K	1/6W	CARBON	
	R309	QRD161J-270	27	1/6W	CARBON	
	R310	QRD161J-270	27	1/6W	CARBON	
	R311	QRD161J-561	560	1/6W	CARBON	
	R312	QRD161J-561	560	1/6W	CARBON	
	R313	QRD161J-222	2.2K	1/6W	CARBON	
	R314	QRD161J-222	2.2K	1/6W	CARBON	
	R315	QRD161J-272	2.7K	1/6W	CARBON	
	R316	QRD161J-272	2.7K	1/6W	CARBON	
	R317	QRD161J-273	27K	1/6W	CARBON	
	R318	QRD161J-273	27K	1/6W	CARBON	
	R319	QRD161J-273	27K	1/6W	CARBON	
	R320	QRD161J-273	27K	1/6W	CARBON	
	R321	QRD161J-181	180	1/6W	CARBON	
	R322	QRD161J-181	180	1/6W	CARBON	
	R323	QRD161J-200	20	1/6W	CARBON	
	R324	QRD161J-200	20	1/6W	CARBON	
	R325	QRD161J-153	15K	1/6W	CARBON	

Resistors

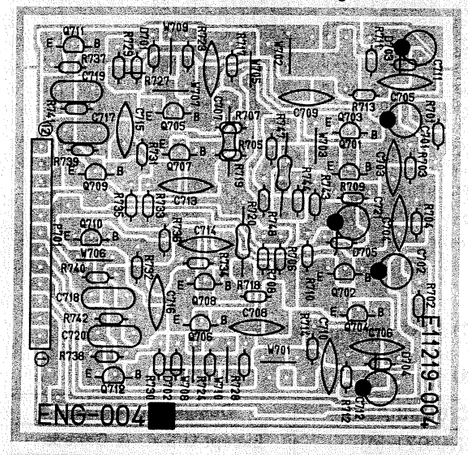
⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
	R326	QRD161J-153	15K	1/6W	CARBON	
	R327	QRD161J-184	180K	1/6W	CARBON	
	R328	QRD161J-184	180K	1/6W	CARBON	
	R329	QRD161J-331	330	1/6W	CARBON	
	R330	QRD161J-331	330	1/6W	CARBON	
	R331	QRD161J-104	100K	1/6W	CARBON	
	R332	QRD161J-104	100K	1/6W	CARBON	

Others

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
		E11251-001	C.BOARD	
	P301	EMV5101-003B	PLUG ASSY	
	P302	EMV5101-006B	PLUG ASSY	

■ ENG-004☐ Pre-Driver PC Board Ass'y

Note: ENG-004☐ Varies according to the area employed. See note (1) when placing an order.



Note (1)

PC Board Ass'y	Designated Areas
ENG-004 [A]	U.S.A., Canada, U.S. Military Market & Other Countries
ENG-004 [B]	Europe, Australia & U.K.
ENG-004 [C]	West Germany

Transistors

⚠	ITEM	PART NUMBER	DESCRIPTION		AREA
				MAKER	
	Q701	2SC2240(A,B)	SILICON	TOSHIBA	
	Q702	2SC2240(A,B)	SILICON	TOSHIBA	
	Q703	2SC2240(A,B)	SILICON	TOSHIBA	
	Q704	2SC2240(A,B)	SILICON	TOSHIBA	
	Q705	2SA1038(S,E)	SILICON	ROHM	
	Q706	2SA1038(S,E)	SILICON	ROHM	
	Q707	2SA933LN(R,S)	SILICON	ROHM	
	Q708	2SA933LN(R,S)	SILICON	ROHM	
	Q709	2SA1038(S,E)	SILICON	ROHM	
	Q710	2SA1038(S,E)	SILICON	ROHM	
	Q711	2SC2389(S,E)	SILICON	ROHM	
	Q712	2SC2389(S,E)	SILICON	ROHM	

Diodes

⚠	ITEM	PART NUMBER	DESCRIPTION		AREA
				MAKER	
	D701	1SS133	SILICON	ROHM	
	D702	1SS133	SILICON	ROHM	
	D703	1SS133	SILICON	ROHM	B
	D703	1SS133	SILICON	ROHM	C
	D704	1SS133	SILICON	ROHM	B

Diodes

⚠	ITEM	PART NUMBER	DESCRIPTION		AREA
				MAKER	
	D704	1SS133	SILICON	ROHM	C
	D705	MTZ18C	ZENER	ROHM	

Capacitors

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
	C701	QETB1HM-475	4.7MF	50V	ELECTRO	
	C702	QETB1HM-475	4.7MF	50V	ELECTRO	
	C703	QCS21HJ-271	270PF	50V	CERAMIC	
	C704	QCS21HJ-271	270PF	50V	CERAMIC	
	C705	QCS21HJ-101	100PF	50V	CERAMIC	
	C706	QCS21HJ-101	100PF	50V	CERAMIC	
	C707	QCY21HK-332	3300PF	50V	CERAMIC	
	C708	QCY21HK-332	3300PF	50V	CERAMIC	
	C709	QCS21HJ-5R0	5.0PF	50V	CERAMIC	
	C710	QCS21HJ-5R0	5.0PF	50V	CERAMIC	
	C711	QETB1CM-476	47MF	16V	ELECTRO	
	C712	QETB1CM-476	47MF	16V	ELECTRO	
	C713	QCS21HJ-220	22PF	50V	CERAMIC	
	C714	QCS21HJ-220	22PF	50V	CERAMIC	
	C715	QCS21HJ-121	120PF	50V	CERAMIC	
	C716	QCS21HJ-121	120PF	50V	CERAMIC	
	C717	QFN81HJ-822	8200PF	50V	MYLAR	
	C718	QFN81HJ-822	8200PF	50V	MYLAR	
	C719	QFN81HJ-822	8200PF	50V	MYLAR	
	C720	QFN81HJ-822	8200PF	50V	MYLAR	

Capacitors

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
	C721	QETB1EM-106	10MF	25V	ELECTRO	

Resistors

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
	R701	QRD161J-222	2.2K	1/6W	CARBON	
	R702	QRD161J-222	2.2K	1/6W	CARBON	
	R703	QRD161J-104	100K	1/6W	CARBON	
	R704	QRD161J-104	100K	1/6W	CARBON	
	R705	QRD161J-202	2K	1/6W	CARBON	
	R706	QRD161J-202	2K	1/6W	CARBON	
	R707	QRD161J-202	2K	1/6W	CARBON	
	R708	QRD161J-202	2K	1/6W	CARBON	
	R709	QRD161J-822	8.2K	1/6W	CARBON	
	R710	QRD161J-822	8.2K	1/6W	CARBON	
	R711	QRD161J-152	1.5K	1/6W	CARBON	
	R712	QRD161J-152	1.5K	1/6W	CARBON	
	R713	QRD161J-104	100K	1/6W	CARBON	
	R714	QRD161J-104	100K	1/6W	CARBON	
	R717	QRD161J-101	100	1/6W	CARBON	
	R718	QRD161J-101	100	1/6W	CARBON	
⚠	R719	QRD145J-121S	120	1/4W	UNF.CARBON	
⚠	R720	QRD145J-121S	120	1/4W	UNF.CARBON	
	R723	QRD144J-562S	5.6K	1/4W	CARBON	A
⚠	R723	QRD145J-562S	5.6K	1/4W	UNF.CARBON	B
⚠	R723	QRD145J-562S	5.6K	1/4W	UNF.CARBON	C
	R724	QRD144J-562S	5.6K	1/4W	CARBON	A
⚠	R724	QRD145J-562S	5.6K	1/4W	UNF.CARBON	B
⚠	R724	QRD145J-562S	5.6K	1/4W	UNF.CARBON	C
	R727	QRD144J-562S	5.6K	1/4W	CARBON	A
⚠	R727	QRD145J-562S	5.6K	1/4W	UNF.CARBON	B
⚠	R727	QRD145J-562S	5.6K	1/4W	UNF.CARBON	C
	R728	QRD144J-562S	5.6K	1/4W	CARBON	A
⚠	R728	QRD145J-562S	5.6K	1/4W	UNF.CARBON	B
⚠	R728	QRD145J-562S	5.6K	1/4W	UNF.CARBON	C

⚠ : SAFETY PARTS

Resistors

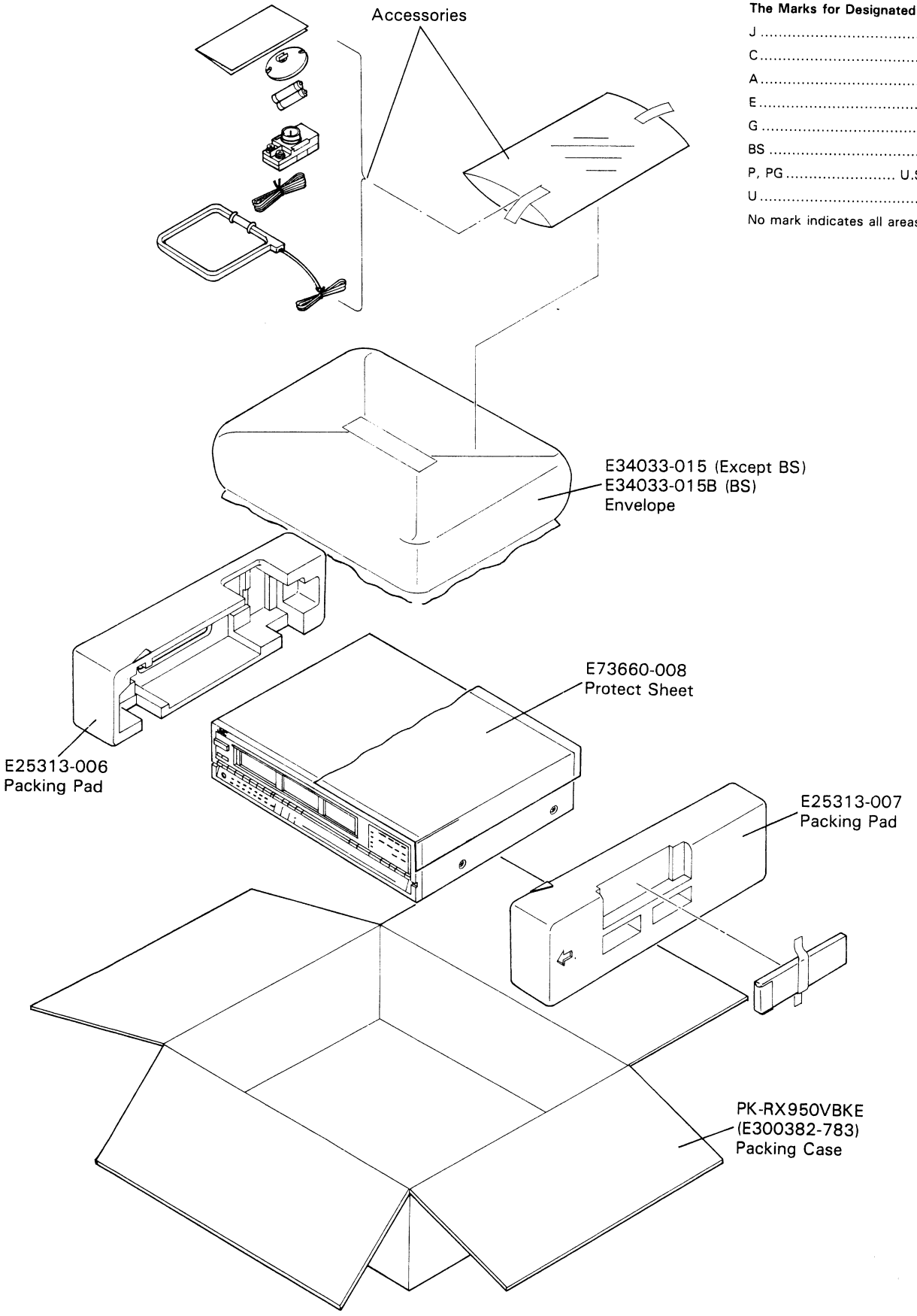
⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
	R729	QRD161J-391	390	1/6W	CARBON	
	R730	QRD161J-391	390	1/6W	CARBON	
	R731	QRD161J-152	1.5K	1/6W	CARBON	
	R732	QRD161J-152	1.5K	1/6W	CARBON	
	R733	QRD161J-152	1.5K	1/6W	CARBON	
	R734	QRD161J-152	1.5K	1/6W	CARBON	
	R735	QRD161J-333	33K	1/6W	CARBON	
	R736	QRD161J-333	33K	1/6W	CARBON	
	R737	QRD161J-391	390	1/6W	CARBON	
	R738	QRD161J-391	390	1/6W	CARBON	
	R739	QRD161J-682	6.8K	1/6W	CARBON	
	R740	QRD161J-682	6.8K	1/6W	CARBON	
	R741	QRD161J-682	6.8K	1/6W	CARBON	
	R742	QRD161J-682	6.8K	1/6W	CARBON	
	R743	QRD161J-471	470	1/6W	CARBON	
	R744	QRD161J-391	390	1/6W	CARBON	
⚠	R745	QRG012J-182AF	1.8K	1W	O.M.FILM	
	R747	QRD161J-471	470	1/6W	CARBON	
	R748	QRD161J-471	470	1/6W	CARBON	
	R748	QRD161J-471	470	1/6W	CARBON	A
	R748	QRD161J-471	470	1/6W	CARBON	B
	R748	QRD161J-471	470	1/6W	CARBON	C

⚠ : SAFETY PARTS

Others

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
		E11219-004	C.BOARD	
	P701	EMV5101-012B	PLUG ASSY	

Packing Materials and Part Numbers



The Marks for Designated Areas.

J ..... U.S.A.
C ..... Canada
A ..... Australia
E ..... Europe
G ..... West Germany
BS ..... U.K.
P, PG ..... U.S. Military Market
U ..... Other Countries
No mark indicates all areas.

Accessories List

⚠	Part Number	Part Name	Q'ty	Description	Area
	E30580-1405A	Instruction Book	1		J,C
	E30580-1404A	Instruction Book	1		Except J,C,BS
	E30580-1404ABS	Instruction Book	1		BS
	BT20048B	Warranty Card	1		J,P,PG
	BT20025J	Warranty Card	1		C
	BT20029C	Warranty Card	1		A
	BT20064	Warranty Card	1		G
	BT20060	Warranty Card	1		BS
	BT20046C	Service Information	1		J,P,PG
	BT20044E	Safety Inst.Sheet	1		J
	BT20071A	Service Center	1		C
	BT20098	Audio Warranty	1		A
	BT20066	EEC Agency	1		G,BS
	QZL1008-001	FTZ Information Sheet	1		G
	EQB4001-012	AM Loop Antenna	1		
	E304084-001	Loop Stand	1		
⚠	E04056	Siemens Plug	1		U,PG
⚠	QMF51A2-6R3S	Fuse	1		U,PG
⚠	QMF51A2-3R15S	Fuse	1		P
	E35497-015	Caution Sheet	1	220V	U,PG
	E35497-013	Caution Sheet	1	110V	P
	EMZ2001-006	Adaptor	1		J,C
	E03614-004	Bilt-in Antenna	1		Except G
	E67007-001	Wire Antenna Ass'y	1		G
	RM-SR950	Remote Control	1		
	E73054-003	Foot Ass'y	1		
	E304247-001	Caution Sheet	1		
	E47227-012	Foot	4		
	UM-3(DJ)-2P	Battery	2		
	EMC0201-001BS	AC Plug	1		BS
	E43486-165A	Inst. Sheet	1		BS
	E6581-4	Envelope	1		U,P,PG
	E66416-003	Envelope	1		J
	E41202-2	Envelope	1		Except BS
	E41202-2B	Envelope	1		BS

⚠: SAFETY PARTS

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J ..... U.S.A.
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